

CENTRAL BOARD OF SECONDARY EDUCATION  
SHIKSHA KENDRA 2 COMMUNITY CENTRE  
PREET VIHAR DELHI 11 00 92

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MINUTES OF THE MEETING OF THE  
GOVERNING BODY OF THE BOARD HELD ON  
18 FEBRUARY, 1993 AT BOARD'S  
CONFERENCE HALL.

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The list of members who were present and who could not be present is given in annexure.

The Chairman welcomed the members, particularly, the new members who were attending the Meeting for the first time. She moved a Resolution conveying the appreciation of the Governing Body to the service rendered by the out-going members. The members observed two minutes silence in memory of Prof. D.S. Kothari and Prof. R.C. Srivastava, eminent educationists who were associated with the Board for a long period and who died recently.

The Chairman said that the number of Schools affiliated to the Board has been constantly increasing. At the end of December '92 the Board had 3494 Schools affiliated to it with about 500 cases in the pipe line. This rapid increase in the number of Affiliated schools had given rise to administrative problems. She informed that a separate Item on this subject has been included in the Agenda which would be discussed subsequently.

The English Language Teaching Project (ELT) has reached its concluding stage. The new textual materials in English Course-A prepared by the Board under the Project will be introduced in Class IX from the Academic Session 1993-94. Before the actual launch of the scheme, the CBSE has been able to orient at least one teacher from each school in the new methodology.

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The orientation programmes, covering more than 1600 teachers, were aimed at imparting necessary teaching competencies and make them familiar with the new teaching and testing materials. The Board has also taken up programmes for orientation of Key English teacher-educators belonging to various agencies in the country; as also the Key Administrators connected with organisations like Kendriya Vidyalaya Sangathan, Directorate of Education, SCERT etc. The awareness so generated on such a wide scale would, it is hoped, make implementation of the new programme easier and successful.

The Syllabi and Courses in different disciplines at the Secondary and Senior Secondary stages have been thoroughly reviewed by the Committees of Courses from the point of view of defining the scope and depth of various content-points so that overlap or ambiguity, if any, is removed. This exercise has also been helpful in bringing the text-books and curriculum nearer to each other. However, there is a feeling in the schools, as also in other circles, that changes brought about too frequently, besides creating a wide gap between the curriculum and text books, also generate an atmosphere of uncertainty. Hence, there is a suggestion that major changes be brought about only once in a while. The Curriculum Committee too has made a recommendation on these lines which has been placed on the Agenda of the Board as a separate item.

The Governing Body in its last meeting, while approving the scheme of autonomy, granted autonomy to two schools, viz Birla Vidya Niketan, Pilani and National English School, Bangalore. It, however, sounded a note of caution that until all the issues connected with autonomy and its operationalisation are resolved, the Board should go slowly and cautiously. In deference to the wishes of the Board, the Chairman set up a special

to the changing environments induced by rapid technological advancements and social changes.

In the Examination area, the Board had decided to introduce the scheme of multiple sets of question papers in the entire country. The Schools were informed of the same in the month of July '92. The Board had taken adequate safeguards to ensure that the students' interests are not affected. She then referred to the forthcoming examinations and informed that all possible steps have been taken to ensure fair and smooth conduct of the examinations. A letter has been issued to all the Chief Secretaries, requesting them for full cooperation, particularly, in the maintenance of law and order. She informed that response has come from some States and all of them assured their assistance. For Delhi, meeting with the Centre Superintendents has been fixed and the Board expects that with the cooperation of all, the examinations will be conducted smoothly.

While the Board will take punitive action against the Centre Superintendents or the Additional Head Examiners for the mistakes they commit, it was proposed to introduce some rewards for those Centre Superintendents or the Additional Head Examiners who commit the minimum mistakes/errors. The details are yet to be worked out. The Board conducted the PMT Examination of 1992 successfully, except for some problems relating to the students from J&K and Andhra Pradesh. Action has been taken to avoid a similar problem in future.

Thereafter, the Items of the Agenda were taken up.

ITEM I TO CONFIRM THE MINUTES OF THE MEETING OF THE GOVERNING BODY HELD ON 24TH JUNE, 1992.  
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The minutes were read and confirmed.

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Committee on this subject, the recommendations of which are being placed under a separate item of the agenda.

The Chairman referred to the decision of the Board to include "SALD" as part of work experience and reiterated that no marks will be given in the substantive subjects for this activity.

The Board was conscious of the need for improving the quality of question papers and accordingly, it had carried out analysis of the question papers of the year 1992. The findings of the analysis have been communicated to the paper setters of this year and it was expected that there would be improvement in the quality of the question papers. The students being the focal point, the Board undertook a study of the performance of the students. Marking scheme was another area in which analysis was carried out and the shortcomings will be brought to the notice of the Head Examiners and the Assistant Head Examiners this year so that these are overcome. The Chairman stated that largely due to the strike of the Indian Airlines, the Annual Conference of the Sahodaya School Complex, which was scheduled to be held from 29.01.1993 to 30.01.1993 could not be held. She stated that efforts would be made to hold the Conference in September / October '93.

The Chairman also referred to the significant work done in the field of Vocational Education. Apart from the job-linked courses like LIC, GIC and Railway Commercial Work, she mentioned the new Vocational Courses introduced last year, viz, Rural Development, Dental Mechanic, Bio-Medical Technicians' Course, Bakery & Confectionery Course. She said that a new area of study has been introduced as part of Work-Experience known as "Futures' Studies" or "Futurology." This course would give the students necessary capabilities to adapt themselves.

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ITEM II TO RECEIVE A REPORT ON THE ACTION TAKEN ON THE MINUTES OF THE LAST MEETING OF THE BOARD

1 (a) V : To consider issue regarding requirement of NOC from the schools seeking affiliation with the Board.

The Secretary informed that the matter has been referred to the MHRD, seeking their direction in the matter. Shri Fanthome, Secretary, ICSCCE also mentioned the difficulties faced by the schools seeking affiliation to them due to the difficulty in getting the NOC. He mentioned that to overcome this difficulty, they have devised a procedure, wherein the school is given a Provisional Affiliation. Secretary, CBSE informed that it will not be possible to adopt such a procedure by the Board as this is likely to lead to legal complications. The Chairman informed that the matter is receiving attention of the Ministry and a decision would be communicated in due course.

The position in regard to other Items was noted.

ITEM III TO APPROVE THE MINUTES OF THE MEETING OF THE ADVISORY COMMITTEE OF THE ALL INDIA PRE-MEDICAL/PRE-DENTAL ENTRANCE EXAMINATION HELD ON 04.12.1992 IN SHASTRI BHAWAN

The Minutes of the meeting of the Advisory Committee were read and approved.

ITEM IV TO APPROVE THE MINUTES OF THE MEETING OF THE FINANCE COMMITTEE HELD ON 07.09.1992; 01.12.1992 & 22.01.1993

The Secretary referred to the decision taken by the Finance Committee regarding shifting of the Regional Office from Ranchi to Allahabad. He informed the members that the shifting has since been completed and the Regional Office at Allahabad has become fully operational. The Regional Office (Delhi) which was to shift from Preet Vihar to I.P. Estate was not shifted as there were some administrative difficulties. The Regional Office (Delhi) is now situated in the same building from 5th floor onwards and for all practical purposes, they have become independent of the Headquarters.

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The minutes of the meetings held on 07.09.1992, 01.12.92 and 22.2.93 were read and approved.

ITEM V TO APPROVE THE MINUTES OF THE MEETING OF THE CURRICULUM COMMITTEE HELD ON 11.02.1993

The House was apprised of the various recommendations made by the Curriculum Committee as also the background information relating to different items. After detailed discussions over various issues, the Board resolved that the recommendations of the Curriculum Committee be approved.

- During the Course of discussions the following observations were also made.

(a) In so far as the change in pass criterion at the Secondary stage from four to five subjects in the external examination is concerned, it was desired that this be made effective from the March 1995 Examinations and onwards, i.e., Class IX of the academic year 1993-94. This change be given wide publicity to bring it to the notice of schools and the students concerned for necessary advance preparations.

(b) While approving the recommendations that there should be separate pass in theory and practical and in the aggregate of the two in the subjects involving practical examination at the Secondary stage, it was desired that this provision be also made applicable at the Senior Secondary stage in the subjects involving practical examination. The cut-off point for practical examination will however be 33% as against 25% presently at the Senior Secondary stage. This provision will come into effect at both the stages, i.e., Secondary and Senior Secondary from the 1995 Examinations and onwards, i.e., in the Classes IX & XI of the academic session 1993-94. This also need to be given wide publicity as in the case above.

ITEM VI TO REPORT THE RECOMMENDATIONS OF THE SPECIAL COMMITTEE SET-UP BY THE CHAIRMAN, TO CONSIDER VARIOUS ISSUES RELATED TO AUTONOMY MADE IN ITS MEETINGS HELD ON 18.06.1992 AND 25.7.92

The Director(Academic) explained the recommendations made by the Committee. These were considered and approved.

ITEM VII TO ADOPT THE ANNUAL REPORT OF THE BOARD FOR THE YEAR 1991-92.

The Secretary placed before the Body a copy of the Annual Report for the year 1991-92. The report was unanimously adopted.

ITEM VIII NOMINATION OF THE REPRESENTATIVES OF THE GOVERNING BODY TO THE ADVISORY COMMITTEE FOR THE ALL INDIA PRE MEDICAL AND PRE DENTAL ENTRANCE TEST

The Secretary mentioned that as per the rules, two members of the Governing Body are to be nominated on the Advisory Committee. Since the re-constitution of the Board was still not complete, it was resolved that the Chairman may be authorised to nominate two members on the Advisory Committee.

ITEM IX TO APPROVE MINUTES OF AN EMERGENT MEETING OF THE EXAMINATION COMMITTEE HELD ON FRIDAY, THE 12TH FEBRUARY, 1993 AT 02.30 P.M. AT THE OFFICE OF THE CHAIRMAN AT SHASTRI BHAWAN, NEW DELHI 11 00 01.

The Controller of Examinations mentioned that the Committee had approved the scheme of examinations submitted by two schools, i.e. National English School Pilani which have been granted autonomy in Mathematics and Science for Secondary Examination. He also referred to the recommendation made by a Sub Committee for Award of Moderation/Standardisation of Marks. This being a

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classified document, the Controller of Examinations read out the salient features of the recommendations. To a query from Dr. A.K. Pandey as to why the autonomy was restricted to two subjects, it was clarified that being an experiment, the Board wanted to give autonomy only in those subjects where monitoring could be done easily. It was clarified to the members that the Schools will conduct their own examinations and the marks obtained by the students will be sent to the Board and this will be incorporated in the Marks Statement to be issued by the Board. To ensure that the evaluation done by the School is at par with the rest of the students, the Monitoring Committee will do some random checking of the evaluated answer books.

The minutes of the meeting were approved.

ITEM X      AFFILIATION OF SCHOOLS  
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The Chairman informed that as on today, the Board had 3500 Schools affiliated of which 154 are permanently affiliated. She mentioned the difficulties being faced by the Board while organising inspections at regular intervals. There were 559 applications, which were in the pipeline. With this rapid increase in the number of Schools affiliated to the Board, in a couple of years, the number of schools affiliated will exceed 4,000. She had, therefore, suggested two or three alternatives like putting a temporary moratorium on affiliation of Schools.

The representatives of the Delhi Administration stated that the moratorium would adversely affect the Schools in Delhi. The Union Territory of Delhi did not have an independent Board for itself and there was a constant pressure for opening of new schools and the

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Directorate has an obligation to the citizens of Delhi in this regard. It was also pointed out that KVs/JNVs will also face problems if such a moratorium is placed. After some discussion, it was resolved that the Chairman may be authorised to constitute a Committee to go into this question in detail.

The Meeting then ended with a Vote of Thanks to the Chair.

( S. GOPAL )  
SECRETARY

ANNEXURE- I

The following attended the meeting:-

1. Dr. (Mrs.) D.M. de Rebello  
Chairman, CBSE.
2. Mr. M.C. Mathur,  
Secretary cum Director of Education  
Govt. of Sikkim,  
New Sectt.,  
Gangtok.
3. Mr. Y.P. Purang,  
Dy. Director (West),  
Directorate of Education,  
Karampura,  
Delhi.
4. Mr. I.P. Aggarwal,  
Dy. Director (Sch.),  
Directorate of Education,  
Delhi Admn.  
Delhi.
5. Mr. F. Fanthome,  
Secretary,  
Council for the Indian School  
Certificate Examinations,  
Pragati House, Nehru Place,  
New Delhi.
6. Dr. H.C. Pandey,  
Vice-Chairman,  
Birsa Institute of Tech.  
and Science,  
Ranchi.
7. Mrs. M. Barsaley,  
Principal,  
Greenfields Public School,  
Dishad Garden,  
Nand Nagri, Delhi.
8. Mr. M.M. Sharma,  
Govt. Composite Model Co. Edu.,  
Sr. Sec. School,  
Shankaracharya Marg,  
(Opp. Matcalfe House),  
Delhi.

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9. Mr. J.C. Sharma,  
Principal,  
Govt. Boys Sr. Sec. School,  
Laxmi Nagar,  
Delhi.
  10. Mr. B.P.S. Negi,  
Principal,  
Govt. Com. (Model) Boys Sr.  
Sec. Sch., Malviya Nagar/Extn.  
New Delhi.
  11. Mr. A. Banerji,  
Dy. Secretary (S-3),  
Ministry of Human Res. Dev.  
Deptt. of Education,  
Shastri Bhawan, ND.
  12. Mrs. Seema Khurana Patra,  
Deputy Secretary,  
Ministry of Human Res. Dev.  
Deptt. of Education,  
Shastri Bhawan, ND.
  13. Miss P. Bolina,  
D.E.A.  
Ministry of Human Res. Dev.  
Shastri Bhawan,  
New Delhi.
  14. Mr. M.V. Prasad,  
Principal,  
Bhartiya Vidya Bhawan's  
V.M. Pub. Sch.  
Baroda-390 009.
  15. Mr. B.K. Sood,  
Director, B.E.T. Pilani.
  16. Mr. S. Gopal,  
Secretary,  
CBSE, DELHI. Member Secretary

The following attended the meeting as Special Invitees :

1. Mr. H.R. Sharma,  
Director, CBSE.
2. Dr. K.D. Sharma,  
Controller of Exams. (PMT)  
CBSE, ND.
3. Mr. S.C. Gupta,  
Controller of Examinations,  
CBSE, DELHI.

The following have shown their inability to attend.:

1. Mr. H.D. Birdi,  
Education Secretary &  
Director of Education,  
A & N Islands,  
Port Blair - 744 101.
2. Mr. G.C. Yadav,  
Director of Pub. Instructions,  
Chandigarh Admn.,  
Chandigarh.
3. Mr. W.C. Khambra,  
Addl. Director of Education,  
Dte. of Education,  
Delhi Admn. Old Sectt.,  
Delhi-54.
4. Dr. S.S. Rana,  
Dean of Colleges,  
Delhi University,  
Delhi.
5. Prof. A.L. Nagar,  
Pro-Vice-Chancellor,  
University of Delhi,  
Delhi-7.
6. Dr. Krishan Kumar,  
Dean,  
Central Institute of Education,  
Delhi.
7. Dr. M.S. Valiathan,  
President, AIU, &  
Director,  
Sree Chitra Tirunal Institute  
for Medical Sciences and Tech.,  
Trivandrum.
8. Dr. D.D. Jadeja,  
Vice-Chancellor,  
Sardar Patel University,  
Vallabh,  
Vidyanagar.
9. Dr. V. Vasanthi Devi,  
Vice-Chancellor,  
Mananamaniam Surderanagar University,  
Triunelveli,  
Tamil Nadu.
10. The Secretary,  
Education,  
Govt. of Arunachal Pradesh,  
Naharlagun.

14. Shri Shashi Bhushan,  
Dy. Secretary, (A&V),  
CBSE.
15. Shri Sukh Dayal,  
Dy. Secretary (RO, Delhi),  
CBSE.
16. Shri K.K. Sinha,  
Dy. Secretary (Admn. III)  
CBSE.
17. Shri Pitam Singh,  
Dy. Secretary (RO, Delhi),  
CBSE.
18. Shri S.S. Negi,  
I.A.F.A.  
CBSE.
19. Smt. Rama Sharma,  
Public Relation Officer,  
CBSE.
20. Shri S.K. Chopra,  
Executive Officer to the  
Chairman,  
CBSE.
21. Shri S.K. Sharma,  
Assistant Engineer (Estate),  
CBSE.
22. Shri Ashok Dhawan,  
PA to C.E.  
CBSE.

CENTRAL BOARD OF SECONDARY EDUCATION : DELHI

MINUTES OF THE MEETING OF THE GOVERNING BODY  
OF THE BOARD HELD ON 9TH JULY, 1993 AT 10.30  
A.M. IN THE CONFERENCE ROOM OF THE BOARD AT  
2, COMMUNITY CENTRE, PREET VIHAR, DELHI - 92

The list of the members who were present and those who could not attend the meeting is given in the accompanying Annexure.

The Chairman Dr. (Mrs.) D.M. de Rebello, at the outset, extended a warm welcome to all the members of the Governing Body. She said that the present meeting had been called to report on the successful conduct of examinations in March 1993 and to obtain the concurrence of the Governing Body to the various decisions taken by different Committees of the Board. She said that this year, the Board's examinations both at the regional centres and in the Union Territory of Delhi were conducted smoothly, fairly and efficiently without any incidence of mass copying. The incidence of using unfair means by the candidates at individual level too has come down significantly as compared to the previous years. This was largely due to two important factors namely, introduction of multiple sets of question papers in all the regions of the country and, strict measures taken for checking incidence of disturbance inside and outside the examination hall. The Chairman appreciated the cooperation received by the Board from all agencies like the Police Department, Delhi Admn., Directorate of Education and other sister agencies. She placed on record special appreciation for the contribution made by the Controller of Examinations, all the members of the Examination Branch, Regional Officers and the entire staff of the Board. She said that in this the Director (Acad.) and the Academic Branch too significantly contributed by undertaking analytical studies of different sets of question papers for comparability of standards. The findings were utilised in declaration of Board's results. The Chairman added that it was, indeed, a matter of pride for the Board that there had

been no leakage of question papers for the last ten years particularly when other agencies are badly afflicted with this menace.

The Chairman observed that multiple sets of question papers had come to stay. Recently a questionnaire was sent out to the Principals of affiliated institutions and Supdts. of Examinations to seek their opinion as to whether this practice should be continued or whether the Board should revert to the previous arrangement of administering a single paper. It was heartening to note that 95% of those who responded favoured the retention of multiple-sets of question papers. They were of the unanimous opinion that use of unfair means has come down significantly and the candidates have realised that copying does not pay. Consequently, the students in the Union Territory of Delhi, where this experiment had been introduced last year, prepared better. This was testified by the improvement in results shown by Govt. and Govt.-aided schools in Delhi in 1993.

By taking up such a bold initiative, the Board has made a significant contribution to improving the examination system and of raising the standard of secondary education in the country. Other States like Haryana and Gujarat have also shown keen interest in the measures taken by the Board. The Board will be happy to share its experience with other State Boards as and when they call on us. The Chairman said that several other measures to improve the pattern of question papers, their quality and comparability have also been planned for the future.

Talking about the achievements in the academic field, the Chairman observed that appreciable work has been done in different sectors. As a part of the on-going activity, the syllabi and courses for secondary and senior secondary stages have been reviewed and the curricula for 1995 examinations were made available to the schools well before the commencement

of the session. She said that there had been some criticism from the public on account of the occasional lack of compatibility in some of the disciplines between the curricula provided and the text-books written by NCERT. Consequently, the Board initiated a dialogue with NCERT to work out an arrangement by which there could be a greater coordination between the two agencies and NCERT is able to respond to the needs of the CBSE schools more promptly. In the new understanding reached, wherein MHRD was also involved, the Board will have freedom, as do other Boards, in matters of adopting or adapting NCERT curricula and books but, being an organization set up by the Govt. of India, the Board would like to conform with the NCERT to the extent feasible. At the secondary stage the Board would inevitably follow NCERT text-books in courses where they are available. In other areas, the Board will be free to take its own initiative. For Classes XI & XII it would continue to recommend books of private publishers besides the NCERT books. The record of discussion between the CBSE and NCERT was expected shortly from the MHRD.

Continuing its thrust for vocational education, the Board introduced a number of new courses in Health-related fields in collaboration with the Ministry of Health and the Directorat, General Health Services. The Chairman mentioned that a large number of vocational courses had been provided by the Board and it was time to consolidate them and improve their quality. It has been observed that in some of the courses, the component of practical training was less than required. An exercise to up-date and streamline the courses in different disciplines is already under way.

The Chairman further added that CBSE-ELT Project, taken up by the Board in collaboration with British Council and ODA, has had a far reaching impact on the schools of CBSE. The new course has come into operation in class IX of the academic session 1993-94. The initial feedback received from



the practicing teachers, ELT experts and the administrators is very positive. The Board has taken several measures to make this programme a success. These included the conduct of several seminars for ELT experts and the key administrators in the CBSE system. Through the new materials prepared under the project, an interactive mode of teaching English has been projected. Even at this stage a feedback has been received from the teachers that this mode needs to be made applicable to other languages also, more particularly Hindi. This is, indeed, a very healthy sign of the impact created by the English project on the teaching community.

The Board is likely to take up a project with the British Council on Examination Reform. This is intended to be a five-year project under which the paper setters, moderators and examiners would receive training in the relevant areas. This would help in further minimising the element of subjectivity in public examinations. The Chairman was happy to report that this was one of the few new projects being considered by the British Council | ODA in the Education Sector in India.

In tune with the developments in academic and examination sectors, the Board is also toning up its administrative set-up. The regional offices have come to stay and they are contributing significantly to the conduct of examinations. Their role, however, cannot be confined to examinations alone since they would be required to participate in other areas of operations of the Board. There is a good deal of demand from the schools in different regions for orientation programmes for the teachers. The regional offices may have to play a significant role in this area and help schools in mobilising academic resources around them for other developmental activities. In the initial stages of setting up of regional offices, there had been some adhocism, which was, indeed, inevitable since the regionalisation process had to be made operative. In view of the new evolving pattern of the Board and the relationship between the regional offices and the Head Quarter, it has become necessary to streamline.

and rationalize different administrative areas. These include staffing pattern in regional offices, transfer and promotion policy, allowances and amenities as also accommodation to officers in regional offices. The Board is taking up a comprehensive work-study to assess the staff requirements and evolve norms for staffing different branches and regional offices. It is also setting up a Technical Committee to work out norms regarding accommodation to the officers in regional offices. Such an exercise would help the Board in bringing about uniformity and consistency in its operations.

Following the Chairman's opening remarks, a few observations were made by the members. It was appreciated that the Board has made significant contribution to raising of standards of teaching and learning in the institutions affiliated with it, through various measures. It was, however, felt that the Acad. Branch of the Board needed to be considerably strengthened to further expand its activities with focus on orientation programmes on a larger scale and extend its innovative activities in other areas too. In this connection a reference was made that while an appreciable work has been done under the ELT project for a particular course, the benefit of this project could also be extended to other courses in English and other languages. It was also noted that recently the Board had conducted an orientation programme for Science teachers on the subject of 'Creativity in Science'. This programme was very much liked by the teachers. The real impact of such programmes, however, would be felt only if they were taken up on a larger scale. The members of the Governing Body wished to place on record their appreciation for the excellent conduct of the 1993 Board Examinations which had set to rest any doubts they may have had about the introduction of multiple sets of question papers.

The items of the agenda were then taken up for discussion.

Item I

To confirm the minutes of the meeting of the Governing Body of the Board held on 18th Feb., 1993

The minutes were confirmed.

Item II

To receive a report on the follow-up action on the minutes of the last meeting of the Governing Body

It was resolved that the report be recorded.

Item III

To consider recommendations made by the Finance Committee

(A) Meeting held on 27/04/1993

Item II (A) To consider shifting of Regional Office Ranchi to Allahabad and consequential implications

( To be read in conjunction with Item II of the minutes of the Finance Committee meeting held on May 26, 1993 given on page 3.2.1 of the agenda )

It was reported in this connection that the Ranchi office had been shifted to Allahabad in October, 1992 and started functioning immediately. The March, 1993 examinations in the region were conducted from the Allahabad office. As informed earlier, the shift from Ranchi had generated certain difficulties for the Board. Long after the office had started functioning at Allahabad, a stay order had been given by the Patna High Court against the move. The averment of the Board that the stay was infructuous went unheeded. Subsequently, a case for Contempt of Court was also filed against the Board in the Patna High Court, alleging that the Board shifted its office to Allahabad in contravention of the Court's order. The cases have yet to come up for final hearing. The Board is unable to shift its furniture still lying in the Ranchi Office. Further, a part of the advance given to the landlord amounting

to Rs.1.26 lacs remains to be realised from the landlord. Though the advance paid was covered under the Bank guarantee furnished by the landlord through the Canara Bank, the Bank is now taking the stand, in contravention of their earlier assurance, that the cause of action arose only after the expiry of the guarantee and is therefore invalid. The matter is being vigorously pursued with the Bank. Advice of the Legal Adviser was sought in the matter as to whether, in case of delay in hearing of the case in the Patna High Court, an appeal could be filed by the Board in the Supreme Court. The Board was advised that it could move the Supreme Court against the stay order. However, till such time the furniture should not be removed in order to avoid contempt of Court. Subsequently, a second legal opinion states that filing of the appeal in the Supreme Court may not be possible.

The Board, having discussed the matter, endorsed the view of the Finance Committee as contained in the minutes of its meeting held on May 26, 1993 with minor modifications that -

- (a) the Board should pursue with the Canara Bank for the recovery of Rs.1.26 lacs against the Bank Guarantee;
- (b) status-quo may be maintained as far as the shifting of furniture from the Ranchi office is concerned; and
- (c) if possible, the Supreme Court be moved in the month of July or as early as possible against the orders of Patna High Court if the case is not disposed of by them.

### Item III

To consider the question of seniority of Sh.S. Balasubramanian vis-a-vis Sh.H.R.Gupta

(To be read in conjunction with part of the Item II of the minutes of the Finance Committee held on May 26, 1993 given on pages 3.2.3. to 3.2.5. of the agenda.)

The Chairman explained how the seniority issue had acquired complexity calling for careful consideration particularly in view of the fact that it concerns two senior officers of the Board.

The members of the Board examined the details of the case furnished as part of the agenda papers. In this regard the minutes of the Selection Committee dated 24.9.1984 wherein the two officers under reference were selected, were also read out to the members of the Board. The issue was discussed at length.

Having taken into consideration all the facts related to the case, it was resolved that status quo ante be maintained with Shri H.R. Gupta remaining senior to Shri G. Balasubramanian as Joint Secretary, in accordance with the earlier decision of the Board.

The Board further resolved that items IV to IX of the minutes be approved.

(B) Finance Committee Meeting held on 26.5.1993

ITEM XIV

This item was taken up for discussion. It was resolved that the upgradation of the post of Dy. Secretary (CDN) to that of JS (CDN) be approved. The Board further resolved that the post of Dy. Secretary, ..O., Delhi, temporarily upgraded to that of Jt. Secretary earlier may now be assigned to Shri A.D. Sachdeva, Dy. Secretary, which will be treated purely personal to him till a regular vacancy arises

It was resolved that all other items of the minutes from III to XIII and XV to XVIII be approved.

Item IV

To consider recommendations made by the Affiliation Committee at its meetings held on 30.4.1993 & 5.5.93

It was resolved that the recommendations of the Affiliation Committee made under different items be approved. In respect of Item IV categorising the affiliated institu-

tions into two categories viz. provisional affiliation and regular affiliation, it was decided that while the schools which have already been granted permanent affiliation may retain the old nomenclature, this categorisation be made applicable to all other existing institutions and those seeking fresh affiliation. However, those institutions which have already been granted permanent affiliation shall also be subject to periodical inspections by the Board and shall abide by all the rules and regulations of the Board and the Affiliation-Bye-Laws. A suitable proviso to this effect may be added in the Affiliation-Bye-Laws. It was further resolved that the rate of DA payable by the schools should be 71% for the present and would be applicable to all the schools.

Item V

To consider an amendment in rules 19(2) of Manual of Rules and regulations of CBSE relating to issue of certificate of secret expenditure to the auditors

It was resolved that the proposal be approved and the word "Controlling Authority" be replaced by the expression "Chairman" in the rule 19(2) under the heading 'Annual Audit of Accounts' on page 12 of the CBSE manual.

Item VI

To receive a report about the All India/Delhi Senior/ Secondary School Examination held in March, 1993

It was resolved that the report be recorded with appreciation of the Governing Body for the smooth conduct of the examinations.

Item VII

To consider discontinuing of private female candidates from appearing at Secondary/Senior School Certificate Examinations of the Board from the year 1993 onwards

The matter was considered at length and it was observed that in keeping with the policy of promoting women's education, apart from National Open School, other alternatives should also be available with the female private candidates. In view of this, it was resolved that the existing facility to the private female candidates for appearing at the secondary and senior secondary examinations of the Board be continued.

Item VIII

To report progress on CBSE-ELT Project

The excellent work done under the project was noted and it was resolved that the report be recorded. In this connection, the Board also noted the proposals in regard to monitoring and evaluation of the new curriculum.

Item IX

Any other item with the permission of the Chairman

Under this the following additional items were placed before the Board with the permission of the chair :-

- IX-(i) To consider amendments proposed in the Memorandum of Association and Rules and Regulations of the Central Board of Secondary Education
- IX-(ii) To consider the payment of Rs.500/-p.m. as a special pay to Shri S.C. Gupta, Controller of Exams. for the period 26.9.1987 to 31.1.1993 for the additional work of PMT Unit handled by him.

IX-(i) To consider amendments proposed in the Memorandum of Association and Rules and Regulations of the CBSE

In this connection it was reported that the amendments in the Memorandum of Association and Rules and Regulations of the Board had been considered and approved in the meetings of the Governing Body held in February 27-28, 1987. These amendments were subsequently confirmed by the Governing Body in its meeting held on April 28, 1987 in accordance with the clause 21 of the unrevised Memorandum of Association of the Board. Following this, the Memorandum of Association, along with the amendments approved by the Board, was referred to the Controlling Authority of the Board i.e. Secretary, Govt. of India, Department of Education, Ministry of HRD, for his approval vide this office letter dated 19/22.6.1987. Subsequently, a few more amendments were approved by the Governing Body at its meeting held on 28th January, 1988 which were also communicated to the Controlling Authority for approval. The amended Memorandum of Association and Rules and Regulations have received attention of the Controlling Authority with a few remarks. The amended Memorandum of Association indicating the remarks of the Controlling Authority at the specified places, was circulated to the members of the Governing Body.

The revised Memorandum of Association with the following amendments was unanimously adopted by the Board:-

Chapter III

1. Sub-clause 2(B) (iv) relating to nominated members be retained in its original form to be read as under:-  
'Two representatives of University of Delhi, nominated by its Academic Council'.



2. Under sub-clause 2(B) (x) the expression 'One Headmaster/Principal' be replaced by 'Two Headmasters/Principals'.
3. Sub-clause 2(C) (i) (ii) under the caption Elected Members, suggested as the revised 'sub-Clause (xiii) in the draft proposed amendments, may be read as under :-
  - C(i) One Headmaster/Principal of Secondary/Senior secondary schools affiliated to the Board not covered under clause (B) (vi), (vii), (x), (xi) & (xii) to be elected from amongst themselves by the Principals of Secondary/Senior secondary schools situated within territorial jurisdiction of each of the Regional Offices of the Board except Delhi.'
  - C(ii) In case of Delhi, three Principals of Govt. and Govt.-aided secondary/senior secondary schools and one from independent private schools to be elected from amongst themselves i.e. the Principals of Govt. and Govt.-aided secondary and senior secondary schools and by the Principals of independent private schools affiliated with the Board, respectively.

The new sub-clause (xiv) provided under the proposed amendments consequently should be re-numbered (xiii) and be shifted under clause 2(B) of the same Chapter.

#### Chapter IV

##### Clause 3 Appointment, Powers and Duties of the Vice-Chairman

While concurring with the clause 3 of the Chapter IV relating to appointment, powers and duties of the Vice-Chairman, it was resolved that sub-clauses 3(a) and (b) be amended as under :- /shall

'The Vice-Chairman/hold the office on a regular basis. The seniormost Head of Department of the Board, with the prior approval of the Controlling Authority, shall be appointed as the Vice-Chairman who shall carry out the powers and duties of the Vice-Chairman in addition to his/her normal powers and duties. For these additional responsibilities, a special pay shall be

payable in addition to the pay and allowances admissible as Head of Department which shall be subject to revision from time to time by the Board.'

It was further resolved that for the present a special pay of Rs.1000/- be fixed for the additional duties of the Vice-Chairman.

As a consequent of this amendment, sub-clause 3(b) of the Chapter shall stand deleted and the sub-clauses subsequent thereto be re-numbered.

Chapter XII

Financial powers of Chairman/Vice-Chairman/Secretary

In the statement of powers following the above caption in column 3 against sl. no. 1 relating to 'creation of posts by the Chairman', the expression should read as under:-

'Temporary post(s) of Jt. Secretary and below in the existing scales of pay for a period not exceeding one year.'

The Board further resolved that having incorporated the above amendments, the revised Memorandum of Association and Rules and Regulations of the Central Board of Secondary Education be adopted.

IX-(ii) To consider payment of Rs.500/-p.m. as special pay to Sh. S.C. Gupta, for the additional work of PMT Unit - 26.9.1987 to 31.1.1993

It was resolved that Shri S.C. Gupta, be granted a special pay of Rs.500/- p.m. for the period 26.9.1987 to 31.1.1993 for the additional work of PMT Unit handled by him.

The Governing Body was informed that Dr. (Mrs.) D.M. de Rebello would be leaving the Board shortly for another assignment. The Governing Body expressed deep appreciation for the work done and significant contribution made to the Board by her during her short but eventful stay. The Board also put on record its appreciation for the services rendered to the Board by the former Secretary Shri S. Gopal, who has recently joined as Registrar, National Institute of Educational Planning and Administration.

The meeting then ended with a vote of thanks to the chair.

sd/-  
( H.R. SHARMA )  
SECRETARY

sd/-  
( DR. (MRS.) D.M. de REBELLO )  
CHAIRMAN

The following attended the meeting:

1. Dr. (Smt.) D.M. de Rebello,  
Chairman, C.B.S.E.
2. Sh. W.C. Khambra,  
Addl. Dir. of Education,  
Dte. of Education, Delhi Admn.  
Old Sectt.,  
Delhi-54.
3. Sh. Y.P. Purang,  
Dy. Director (West),  
Directorate of Education,  
Karampura, Delhi.
4. Sh. I.P. Aggarwal,  
Dy. Director (Sch.),  
Directorate of Education,  
Delhi Admn.,  
Delhi.
5. Dr. S.S. Rana,  
Dean of Colleges,  
Delhi University,  
Delhi.
6. Prof. A.L. Nagar,  
Pre-Vice Chancellor,  
University of Delhi  
Delhi.
7. Sh. F. Fanthome,  
Secretary,  
I.C.S.E.  
New Delhi.
8. Smt. M. Barsaley,  
Principal,  
Greenfields Public School,  
Dilshad Garden,  
Nand Nagri, Delhi.

9. Sh. M.M. Sharma,  
Principal,  
Govt. Composite Model Co. Edn.,  
Sr. Sec. School,  
Shankaracharya Marg,  
(Opp Metcalfe House),  
Delhi.
10. Sh. J.C. Sharma,  
Principal,  
Govt. Boys Sr. Sec. School,  
Laxmi Nagar,  
Delhi.
11. Sh. B.P.S. Negi,  
Principal,  
Govt. Comp. (Model) Boys Sr. Sec. School,  
Malviya Nagar Extn.,  
New Delhi.
12. Sh. A. Banerji,  
Dy. Secy. (School),  
Ministry of Human Res. Dev.,  
Deptt. of Education,  
Shastri Bhavan,  
New Delhi.
13. Smt. Seema Khurana Patra,  
Dy. Secretary,  
Ministry of Human Res. Dev.,  
Deptt. of Education,  
Shastri Bhavan,  
New Delhi.
14. Sh. M.V. Prasad,  
Principal,  
Bharatiya Vidya Bhavan's  
VM Public School,  
Baroda - 39 00 09.
15. Sh. B.K. Soed,  
Director,  
Birla Education Trust,  
Pilani- 33 30 30 (Raj.)
16. Sh. H.R. Sharma,  
Secretary, CBSE.

Member Secretary

The following attended the meeting as Special Invitees:

1. Sh. S.C. Gupta,  
Controller of Examinations,  
Central Board of Sec. Edn.,  
Delhi.

The following had expressed their inability to attend the meeting :

1. Sh. G. C. Yadav,  
Director of Pub. Instructions,  
Govt. of Arunachal Pradesh,  
Naharlagun.
2. Sh. M.C. Mathur,  
Secretary-cum-  
Director of Education,  
Govt. of Sikkim,  
New Sectt.,  
Gangtok.
3. Dr. D.D. Jadaja,  
Vice-Chancellor,  
Sardar Patel University,  
Vallabh,  
Vidyanagar.
4. Dr. V. Vasanthi Devi,  
Vice-Chancellor,  
Mananiam Sundernagar University,  
Tirunelveli,  
Tamil Nadu.
5. Km. P. Bolina,  
U.E.A.,  
Ministry of Human Res. Dev.,  
Deptt. of Education,  
Shastri Bhavan,  
New Delhi.

( 6 )

The following could not attend the meeting:

1. Shri H.D. Birdi,  
Education Secretary &  
Director of Education,  
A & N Islands,  
Port Blair - 744 101.
2. Smt. Kuldeep Kaur,  
Director of Pub. Instructions  
Chandigarh Admn.,  
Chandigarh.
3. Dr. Krishan Kumar  
Dean,  
Central Institute of Education,  
Delhi.
4. Dr. M.S. Valiathan  
President, AIU &  
Director  
Sree Chitra Tirunal Institute for  
Medical Sciences and Tech.  
Trivandrum.
5. Dr. H.C. Pandey,  
Vice-Chairman,  
Birla Institute of Tech  
and Science,
6. The Secretary,  
Education,  
Government of Arunachal Pradesh,  
Naharlagun.

The following officers of the Board were in attendance :

1. Shri B.R. Gupta,  
Joint Secretary ( Academic ),  
CBSE, Delhi.
2. Shri O.P. Mudgal,  
Joint Secretary, CBSE.
3. Shri D. R. Nangia,  
Joint Secretary, P.M.T.,  
CBSE.
4. Shri B.R. Gupta,  
Joint Secretary,  
R.O. Delhi.
5. Shri E.M. Gupta,  
Head Computer Centre,  
CBSE, Delhi.
6. Shri S.K. Gangal,  
EO ( Humanities ), CBSE.
7. Shri P.C. Bose,  
EO ( Science ), CBSE.
8. Smt. Sugandh Sharma,  
EO ( Soc. Sc. ), CBSE.
9. Shri C.D. Sharma,  
EO ( Vocational ), CBSE.
10. Shri A.D. Sachdev,  
Dy. Secretary ( Coordn. ),  
CBSE.
11. Shri N.N. Mathur,  
Dy. Secretary ( Secret ),  
CBSE.
12. Shri B.R. Sharma,  
Dy. Secretary ( Affiliation ),  
C.B.S.E.



13. Shri Shashi Bhushan,  
Dy. Secretary (A&V),  
CBSE.
14. Shri Sukh Dayal,  
Dy. Secretary, (RO Delhi),  
CBSE.
15. Shri K.K. Sinha,  
Dy. Secy. (Admn. III),  
CBSE.
16. Shri S.S. Negi,  
I.A.F.A.  
CBSE.
17. Smt. Rama Sharma,  
Public Relations Officer,  
CBSE.
18. Shri S.K. Chopra,  
Executive Officer to  
the Chairman,  
CBSE.
19. Shri S.K. Sharma,  
Assistant Engineer,  
CBSE.
20. Shri Ashok Dhawan,  
PA to CE,  
CBSE.
21. Smt. Raj Rani Sharma  
PA to Director (Acad.),  
CBSE.

CENTRAL BOARD OF SECONDARY EDUCATION  
SHIKSHA KENDRA 2 COMMUNITY CENTRE  
PREET VIHAR DELHI 11 00 92  
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MINUTES OF THE EMERGENT MEETING OF  
THE GOVERNING BODY OF THE BOARD HELD  
ON 13TH OCTOBER 1993, AT 11.00 A.M.  
IN THE CONFERENCE HALL OF THE BOARD  
AT 2 COMMUNITY CENTRE, PREET VIHAR  
DELHI 11 00 92  
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The list of the members who were present and those who could not attend the meeting is given in the accompanying Annexure.

At the outset, the Chairman, Shri Priyadarshi Thakur, extended a very warm welcome to all the members and informed them of the reasons for which this emergent meeting had been convened. He apprised the members that the Hon'ble High Court of Delhi had in a Civil Writ Petition No.1667 of 1993 filed by the Parents' Forum for Meaningful Education and Ors. directed the Board to take the opinion of a cross section of people about the merits and the fairness of the Multiple Sets of Question Papers before the commencement of the next class X and XII examinations in 1994.

After this brief introduction, the Chairman requested the Secretary to get the minutes of the last meeting dated 09.07.1993 confirmed, present a report about the follow-up action of that meeting and place before the members a brief background of the multiple sets scheme of class X and XII of 1992 and 1993 examinations.

At the very outset, the Secretary observed that he was attending this meeting in his new capacity as Secretary for the first time after putting in about 10 years as Controller of Examinations. He offered his thanks to the Chairman and

all the members for their whole-hearted cooperation in the past and assured that he would try to discharge his new responsibility to the best of his knowledge and ability.

ITEM I TO CONFIRM THE MINUTES OF THE MEETING OF THE GOVERNING BODY OF THE BOARD HELD ON JULY 9, 1993

Minutes were confirmed.

ITEM II TO RECEIVE A REPORT ON THE FOLLOW-UP ACTION ON THE MINUTES OF THE LAST MEETING OF THE GOVERNING BODY

Resolved that the report be recorded.

ITEM III TO CONSIDER ACTION ON THE DIRECTIVES ISSUED BY THE DELHI HIGH COURT IN ITS ORDER DATED 10TH SEPTEMBER, 1993 ON THE CIVIL WRIT PETITION NO. 1667 OF 1993 FILED BY THE PARENTS' FORUM FOR MEANINGFUL EDUCATION AND OTHERS AGAINST THE INTRODUCTION OF MULTIPLE SETS OF QUESTION PAPERS

The Secretary informed the members that in 1991 examinations in Delhi there had occurred large scale mass copying at about 20 centres involving class X and XII papers as a result of which there was widespread reporting in the Press saying that the candidates had hijacked the Board examinations and their sanctity had been thrown to the winds. The editorial comments of some of the national dailies were highly disparaging dubbing the Board examinations a mere farce.

In order to overcome this alarming situation, the Board had to immediately cancel the examinations held at the centres from where mass copying had been reported.

However, the Board had to go deep into the malady and find out some permanent remedies. Moving in this direction, the Board at first appointed a Commission of Inquiry, under the Chairmanship of Shri Madan Mohan, Ex-Registrar, University of Delhi. The other two members of the Commission were Dr.V.Natrajan of Association of Indian Universities and Prof.Kanwar Sain, Deptt of Statistics, Delhi University. Simultaneously, the Board convened a seminar of principals, educationists and educational administrators to discuss the causes of the mass copying and to find out effective measures for meeting the situation. The Secretary informed the members that the Chairman and one of the two members of the Commission of Inquiry also participated in the said seminar.

Both the Commission and the participants of the seminar were unanimous that the introduction of multiple sets of question papers would prove a very effective immediate remedy to curb mass copying. Their recommendation was subsequently placed before the Governing Body which after thorough deliberations unanimously approved the introduction of the multiple sets scheme.

The members were further informed that in the 1992 examinations multiple sets were used only in Delhi and their results were very satisfactory as no incidence of mass copying was reported from any centre. In order to ascertain whether the standard of the four sets of multiple question papers used in Delhi was equal, the Board appointed a committee of analysts who reported that there was homogeneity

in all the papers except in Hindi Elective, Political Science and Accountancy, whose very nature is such that perfect homogeneity is not attainable. The Board was all the time conscious that no disadvantage or discrimination should be caused to the candidates because of variation in the difficulty level of the question papers. Consequently, the setwise performance of the candidates was also compared and found to be almost homogeneous. The Board also elicited the opinion of the principals and teachers through a questionnaire. It was found that almost all the principals and teachers who responded to the questionnaire acclaimed the multiple sets scheme both as a means of curbing mass copying and as an academic measure that would improve teaching-learning processes in schools.

In 1993 the multiple sets scheme was uniformly applied in all the centres where the Board examinations were held. Another modification was the incorporation of 70 to 85 per cent common questions in all the three sets but in a jumbled order. The impact of the use of multiple sets was very encouraging in the second year because it not only kept mass copying at bay but also registered a higher pass percentage both in class X and XII in Delhi which was hailed by all concerned.

The Chairman then apprised the members of the operative part of the judgement given by the Delhi High Court whereby the Board has been directed :-

"to immediately issue fresh questionnaire to all the schools affiliated with the Board and whose students take the examination conducted by it inviting the views of the principals and teachers of the schools and the Parents-Teachers Association in the respective schools on the merits of the system of use of multiple sets of question papers in examinations conducted by the Board. The Board will in this respect, elicit the views more on the question of any unfairness, arbitrariness or discrimination, involved in the use of multiple sets of question papers. Besides this, public notices be issued in prominent newspapers inviting views on the use of multiple sets of papers in the examinations conducted by the Board. The respondent Board will give a careful consideration to all the views received by it and take a decision in this behalf keeping the interests of the students foremost."

The Hon'ble High Court also directed the Board to consider seriously the introduction of re-evaluation scheme of the answer-scripts. On this issue, the Chairman was of the view that a thorough study of the problem needed to be undertaken by a suitable Committee which would go into all its pros and cons and submit a detailed report for the consideration of the Governing Body. The members were in full agreement on this point.

During the deliberations, the members highlighted the following points about the multiple sets scheme:

- 01 The scheme had not only curbed the use of unfair means in the examinations such as mass copying but had also considerably improved the teaching-learning atmosphere in the schools in so far as the teachers and the students had started covering the entire course instead of confining to selective study and teaching.
- 02 The discipline at examination centres had also registered a remarkable improvement. There was no concentration of outsiders who in the past gathered around the centres with the object of helping the candidates.
- 03 The multiple sets scheme though initiated mainly for the purpose of checking mass copying had proved a blessing in disguise because it had improved the overall academic seriousness of the students and the teachers and had resulted in the better performance of the candidates as in the 1993 examinations in Delhi.
- 04 The members were of the view that the multiple set scheme was wrongly being projected only as a means of curbing unfair means and its academic value as a promoter of better academic performance was not being adequately emphasised or appreciated. They desired that the focus about the multiple sets scheme should immediately be shifted from their administrative efficacy to academic soundness.

After an exhaustive discussion on the directive issued by the Hon'ble High Court of Delhi, the members unanimously resolved that :-

- 01 The multiple sets scheme as used by the Board in 1993 examinations be continued.
- 02 An SLP be filed in the Supreme Court of India contending that the short time of two months given by the Hon'ble Delhi High Court for eliciting the opinion of a cross section of people on the fairness of the multiple sets scheme is not adequate to arrive at any final decision and it may not be possible for the Board to implement it in the 1994 examinations for which the pre-examination processes have already started and cannot be deferred without simultaneously postponing the 1994 examinations indefinitely.
- 03 Simultaneously, the process of wider consultation on the issue as directed by the Delhi High Court may also be initiated. In this connection, the Chairman was authorised to constitute a committee of experts to screen the questionnaire to be circulated in schools and to be inserted in prominent newspapers as directed by the Delhi High Court and to constitute another committee to study and analyse the responses received from a cross section of the people on the questionnaires referred to above in order to draw sound and objective conclusions and advise the Board on the fairness of the multiple set system keeping in view its administrative suitability and academic value.
- 04 The Committee screening the questionnaires for circulation in schools and insertion in newspapers shall also examine the suitability of the contents of the accompanying preamble.



- 05 The Committee constituted by the Chairman for the purpose of studying and analysing the responses will make a relative scrutiny of the reactions of the principals, teachers, educationists and educational administrators as against the reactions of the Parent-Teachers Associations and the public at large so as to arrive at an objective conclusion about the fairness of the multiple sets scheme.
- 06 The Board should take every care to ensure homogeneity of standard in all the subjects, particularly in those subjects whose nature is descriptive, so that there is no disadvantage to the candidates because of multiplicity of sets. The Board should also try in future to highlight more the academic benefits and merits of the multiple sets scheme in different forums including the media rather than creating an impression that the scheme was meant only to prevent mass copying/use of unfairmeans.

The meeting then ended with a vote of thanks to the Chair.

sd/-

( S. C. GUPTA )  
SECRETARY

sd/-

( PRIYADARSHI THAKUR )  
CHAIRMAN

ANNEXURE

The following Members attended the emergent meeting of the Governing Body held on 13th October, 1993 :

01. Shri Priyadarsni Thakur,  
Chairman,  
C.B.S.E., Delhi.
02. Shri Y.P. Purang,  
Dy. Director (West),  
Directorate of Education,  
Delhi Administration,  
Delhi.
03. Shri I.P. Aggarwal,  
Dy. Director (Sch.)  
Directorate of Education,  
Delhi Administration,  
Delhi.
04. Shri F. Fanthome,  
Secretary,  
Council for the Indian School  
Certificate Examination,  
Bragati House, Nehru Place,  
New Delhi.
05. Shri M.M. Sharma,  
Principal,  
Govt. (Comp) Model Sr. Sec. School,  
Delhi.
06. Shri J.C. Sharma,  
Principal,  
Govt. Boys Sr. Sec. School,  
Laxmi Nagar, Delhi.
07. Shri B.P.S. Negi,  
Principal,  
Govt. Com (Model) Boys Sr. Sec. School,  
Malviya Nagar,  
New Delhi.
- 08- Shri A. Banerji,  
Dy. Secretary (Sch-3)  
M.H.R.D.  
New Delhi.
09. Smt. Kuldeep Kaur,  
D.P.I. Chandigarh,  
Chandigarh Admn., Sector-9  
Chandigarh.

10. Sh. B.K. Sood,  
Director,  
B.I.T., Pilani.
11. Sh. S.C. Gupta, Member Secretary  
Secretary,  
C.B.S.E.  
Delhi.
12. Sh. H.R. Sharma, Special Invitee  
Director (Acad.),  
C.B.S.E.  
Delhi.
13. Dr. K.D. Sharma, Special Invitee  
Controller of Examination,  
C.B.S.E.  
Delhi.

The following Members could not attend the meeting :

01. Sh. M.C. Mathur,  
Secretary cum Director of Education,  
Govt. of Sikkim,  
New Sectt.,  
Gangtok.
02. Dr. H.C. Pandey,  
Vice-Chairman,  
Birla Institute of Tech. & Science,  
Ranchi.
03. Smt. Barsaley,  
Principal,  
Greenfields Public School,  
Dilshad Garden,  
Delhi.
04. Smt. Seema Khurana Patra,  
D.F.A.  
M.H.R.D.  
Deptt. of Education,  
Shastri Bhawan,  
New Delhi.
05. Km. P. Bolina,  
D.F.A.  
M.H.R.D.  
Shastri Bhawan,  
New Delhi.
06. Sh. H.D. Birdi,  
Education Secretary &  
Director of Education,  
A & N Island,  
Port Blair.

07. Sh. G.C. Yadav,  
Director of Pub. Instructions,  
Chandigarh Admn.  
Chandigarh.
08. Sh. W.C. Khambra,  
Addl. Director of Education,  
Directorate of Education,  
Deeni Administration.
09. Dr. S.S. Rana,  
Dean of Colleges,  
Delhi University.  
Delhi.
10. Prof. A.L. Nagar,  
Pro-Vice-Chancellor,  
University of Delhi,  
Delhi.
11. Dr. Krishan Kumar,  
Dean,  
Central Institute of Education,  
Delhi.
12. Sh. M.S. Valiathan,  
President, AIU & Director,  
Sree Chitra Tirunal Institute for  
Medical Sciences and Tech.,  
Trivandrum.
13. Dr. D.D. Jadeja,  
Vice-Chancellor,  
Sardar Patel University,  
Vallabh,  
Vidyanagar.
14. Dr. V. Vasanta,  
Vice-Chancellor,  
Mananiamaniam Sundernagar University,  
Tamilnadu.
15. Dr. S.D. Singh,  
Principal,  
The Scindia School,  
Fort, Gwalior.

The following officers of the Board were in attendance:

01. Sh. H.R. Gupta,  
Jt. Secretary (Acad.)  
CBSE, Delhi.
02. Sh. B.R. Gupta,  
Jt. Secretary (Co-ordn.),  
CBSE, Delhi.

03. Sh. A.D. Sachdev,  
Jt. Secretary (ROD),  
CBSE, Delhi.
04. Sh. B.M. Gupta,  
Head Computer Centre,  
CBSE, Delhi.
05. Sh. P.C. Bose,  
E.O. (Science),  
CBSE, Delhi.
06. Sh. C.D. Sharma,  
E.O. (Voc.),  
CBSE, Delhi.
07. Sh. N.N. Mathur,  
Dy. Secretary (Secret)  
CBSE, Delhi.
08. Sh. B.R. Sharma,  
Dy. Secretary (Affln.),  
CBSE, Delhi.
09. Sh. Shachi Bhushan,  
Dy. Secretary (V&A),  
CBSE, Delhi.
10. Sh. Sukh-Dayal,  
Dy. Secretary (ROD),  
CBSE, Delhi.
11. Sh. Pitam Singh,  
Dy. Secretary (ROD),  
CBSE, Delhi.
12. Sh. K.K. Sinha,  
Dy. Secretary (A-I) (A-III)  
CBSE, Delhi.
13. Sh. Darshan Lal,  
Dy. Secretary (A-II),  
CBSE, Delhi.
14. Sh. S.S. Negi,  
I.A.F.A.,  
CBSE, Delhi.
15. Sh. Antriksh Johri,  
System Analyst,  
CBSE, Delhi.
16. Smt. Rama Sharma,  
Public Relations Officer,  
CBSE, Delhi.

17. Sh. S.K. Sharma,  
A.E. (Estate),  
CBSE, Delhi.
18. Sh. Ashok Dhawan,  
PA to CE  
CBSE, Delhi.

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**CENTRAL BOARD OF SECONDARY EDUCATION  
SHIKSHA KENDRA, 2, COMMUNITY CENTRE  
PREET VIHAR, DELHI-110092**

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MINUTES OF THE ANNUAL GENERAL MEETING OF THE  
GOVERNING BODY OF THE BOARD HELD ON 20.09.94  
AT 11.00 A.M. IN THE CONFERENCE ROOM OF THE  
BOARD AT 2, COMMUNITY CENTRE, PREET VIHAR,  
DELHI - 110092.

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The list of members who were present and those who could not be present is given in Annexure-I.

02. At the outset, the Chairman extended a very warm welcome to all the members, particularly the new members who were attending the meeting for the first time, i.e. Shri J.K. Dadu, Addl. Director of Education, Delhi and Sh. N.K. Ojha, Principal, Vidya Niketan, Birla Public School, Pilani who has been nominated by the Indian Public Schools Conference in place of Smt. Mahalakshmi, Chairperson, Indian Public Schools Conference. The Chairman also moved a resolution conveying the appreciation of the Governing Body of the services rendered by the outgoing members.

03. Before proceeding further, the Chairman expressed his deep appreciation of the most valuable services rendered by his predecessor, Sh. Priyadarshi Thakur, from 17.08.93 to 02.06.94. He informed the members that the period of Sh. Thakur's stewardship of the C.B.S.E. was crucial in more than one sense. He was, however, able to tide over all the difficulties most sagaciously and succeeding in brightening up the image and the prestige of the C.B.S.E. both in administrative and educational circles. His contribution like that of Dr. (Mrs.) D.M. de Rebello before him was undoubtedly very valuable and significant in the history of the C.B.S.E. It was during their tenure that the Board was confronted by unprecedented legal wrangles. However, by their sharp insight and tactful handling, the Board emerged victorious in almost all the legal battles. This certainly added to the strength of the Board as a most reputable examining body at the national level. He proposed that this August House might pass a resolution acknowledging the outstanding services of Sh. Priyadarshi Thakur as the Chairman of the CBSE for a rather short but very fruitful period. The House unanimously resolved that the appreciation recorded by the Governing Body of the services rendered by Sh. Priyadarshi Thakur may be conveyed to him.

04. The Chairman further informed that the Annual General Body meeting of the Governing Body of the Board is

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convened every year in order to apprise the Hon'ble members of the different activities of the Board in the last one year. As regards the achievements of the Board in the field of academics, he placed before the House their salient features during the last one year. The major activities of the academic branch since the last meeting of the Governing Body were as follows :-

## 1. Curriculum Development

As is well known, course formulation and course review are the two main activities taken up by the Board. Courses in Secondary and Senior Secondary levels were developed by the C.B.S.E. in consonance with the NPE 1986 and those were introduced in schools from the academic year 1988-89.

Curriculum review is an annual exercise taken up by the CBSE in order to make the courses rational, logical and more pragmatic after taking into account, the feedback received from the teachers and the new developments taking place all over the world.

### 1.1 Curriculum review - Academic Stream

The Academic Branch took up this annual exercise of reviewing the courses in all subjects of teaching at the secondary and senior secondary levels. The curriculum in two volumes i.e., Vol I - Main Subjects and Vol II - Languages both at the secondary and senior secondary stages for 1996 examinations were published and made available to the schools long before the start of the new academic session. The process of the review of these courses for 1997 examinations is in progress and it is hoped that the revised courses will be made available before the start of the next academic session for Classes IX to XII.

### 1.2 Review of Vocational Courses

The Board initiated in recent past 41 vocational trades at the +2 level and developed syllabi and courses in each trade. All these courses are in the process of review and the revised courses will be made available before the start of the next academic session. The main features of the revision of vocational courses are that the single vocational courses have been converted into meaningful packages, the general foundation course has been strengthened by providing more weightage to entrepreneurship, the component of the on-the-job training for eight weeks has been made obligatory and guidelines for evaluation are being provided under each course.



2. New Scheme of testing in Social Science at the secondary stage.

The Board has introduced a new testing scheme in Social Science at the secondary stage from the academic session 1994-95. The main features of this scheme are that all the components of Social Sciences, i.e., History, Geography, Economics and Civics have been included as subjects of study in Classes IX & X without enhancing the existing curricular load on the students.

3. Review of design of question papers.

The design of question papers is being reviewed in all major subjects in order to make them more pragmatic and functional. Working groups have been constituted for this purpose which would take into consideration the reports of the question paper analysis being done by the Board annually and also the feed back received from the teachers.

4. Preparation of Sample Question Papers

Based on the revised design, preparations are on for the development of Sample Question Papers in Mathematics, Science, Social Sciences, English Course 'B' for class X and English Core Course for Class XII.

5. Inservice Training Programme

The Academic Branch is also engaged in Inservice Teacher's Training Programmes in those areas in which there is a major change in the curriculum. Under the ELP project, mass orientation programmes were organised for the teachers of English Course 'A' in different parts of the country. Similar programmes were held in Futurology, Creativity and Science Education.

6. Fourth National Conference of Sahodaya Schools Complexes

The Fourth National Conference of Sahodaya Schools Complexes is scheduled to be held at Madras some time in November, 1994. The theme of the conference is "School Management - Emerging Challenges".

7. Studies/Projects

7.1 Analysis of the Question Papers

The Board took up this annual exercise of analysing question papers in all major subjects in March, 1994 examinations at X & XII level with a view to

finding comparability of multiple sets of questions papers. The report of the studies will be used by the examination branch for prospective paper setters in order to improve the overall quality of the question papers.

#### 7.2 Performance analysis

It is proposed to take up performance analysis in Chemistry, Social Science and Business Studies on the basis of selected answer scripts of students who appeared in March, 1994 examinations. The object of this study is to identify difficult areas of learning under different topics mentioned in the syllabus and to provide feedback to teachers and learners at different stages.

#### 8. Development of Learning support materials

Support material in the form of brochures has already been developed in the following areas :-

- (i) Futurology in action in schools.
- (ii) Science Education and Creativity.
- (iii) National Solidarity and Social Education in Schools.
- (iv) Teachers' manual in Home Science class XI.
- (v) Organising school libraries.
- (vi) Question Bank for class X English Course 'A'.
- (vii) Brochure on strategies for testing (new testing pattern for the first class X examination to be held in 1995 in English course 'A')
- (viii) Preparation of resource manual for resource persons conducting Inset courses in English course 'A' for Classes IX & X.
- (ix) Preparation of audio cassettes for class X English Course 'A' (2 volumes).
- (x) Sample papers in Sociology - Class XII and Hindi course 'B' - X.

#### 9. Examinations conducted by the Board in March, 1994.

The Chairman drew the attention of the House towards the deliberations of the Governing Body in its emergent meetings held on 13.10.93 and 12.01.94 and informed the members that as per the directions of the Hon'ble High Court of Delhi on a petition filed by the Parents Forum for Meaningful Education, the views of a cross section of people such as the principals and teachers of the schools and the Parents Teachers Association in the affiliated schools of the Board on the merits of the scheme of system of multiple sets of question papers,

were solicited through different sets of questionnaires. The recommendations of the Committee which examined the responses received from the principals, teachers, students and Parents Teachers Association of the affiliated schools of the Board and the Educationists and the public at large, were deliberated upon at length by the Governing Body in its emergent meeting held on 12.01.94. As decided by the Governing Body, the scheme of multiple sets of question papers was implemented in all the major subjects in classes X and XII in the examinations held in March/April, 1994. In the mean time the Parents Forum for Meaningful Education had filed another writ in the Hon'ble High Court of Delhi challenging the questionnaire which had been circulated by the Board. But this civil writ petition was dismissed by the Hon'ble High Court.

The Chairman added that the examinations were conducted peacefully and smoothly at all centres all over the country except at one centre, namely, Navodaya Vidyalaya, Seikhpura, Bihar where the candidates had resorted to tearing off the answer sheets on 4th March, 1994 on which date the papers in Mathematics for class XII and in Oriya for class X were held. There was another untoward incident at Sainik School, Korukonda, Maharashtra where the answer books packets were stolen but subsequently recovered from the well of the school itself. However, re-examination in the concerned subject was conducted and the results were declared in time.

The Chairman informed the House that in all 1,82,332 candidates appeared in class XII examination and 3,01,610 candidates appeared in class X examinations held in March/April, 1994. The pass percentages for classes X/XII for different regions were as follows :-

<u>S.NO.</u>	<u>REGION</u>	<u>PASS PERCENTAGE</u>	
		<u>X</u>	<u>XII</u>
01.	Ajmer	87.9	83.4
02.	Chandigarh	82.4	78.5
03.	Guwahati	50.0	64.8
04.	Madras	86.1	86.9
05.	Allahabad	84.4	77.9
06.	Delhi	55.9	68.0

He further added that all possible steps were taken to ensure fair and smooth conduct of the examinations. As in 1993 examinations, the Board had issued badges to all the personnel involved in the conduct of examination at Delhi/New Delhi Centres in 1994. He placed on record sincere thanks and gratitude to all the agencies i.e. the Directorate of Education, Govt. of N.C.T., Delhi, the Police Commissioner, Delhi, the Commissioner, KVS,

New Delhi, for extending their full cooperation in the smooth conduct of these examinations.

9.1 PMT Examination held in May, 1994.

As regards the All India Pre-Medical Pre-Dental Entrance Examination, 1994, it was informed that the examination was conducted in May, 1994 at 311 centres in the States' capitals all over the country in which more than 1,64,000 candidates were registered. This showed about 110% increase in the number of candidates over 1988 when this stupendous task was undertaken by the Board at the behest of Hon'ble Supreme Court of India. This year also the examination was conducted fairly and smoothly and the result was declared in time.

The House was also informed of the decision taken to introduce optical mark reader system for the conduct of the PMT examination from 1995 onwards. This scheme had been approved by the Advisory Committee of the Board in its meeting held on 3rd August, 1994.

10. Affiliation

The Chairman observed that the demand for the affiliation of schools with the Board which is constantly going up. At the end of December, 1993, the Board had 3,857 schools affiliated to it and about 500 cases were in the pipeline. It is indeed a matter of great pride that the Board is becoming increasingly prestigious day-by-day. However, with this rapid increase in the number of affiliated schools, administrative problems are also on the rise and the Board is making every effort to streamline the system of affiliation by computerising the entire data of the affiliated schools and updating it from time to time. The work of computerisation for affiliation will be taken up shortly by the Board. The Board is keeping a constant watch on the academic standards of the affiliated schools, and at times the Board also takes punitive action wherever necessary.

10.1 Administration

The administration, besides catering to the needs of personnel development required for the various departments of the Board, is engaged in other important activities like inservice training for the personnel, monitoring of the requirements of the various branches including the Regional Offices and introduction of a number of welfare measures for the staff. In the area of welfare measures intro-

sys system of cash payment. in lieu of the excursion trips organised every year. It is hoped that this will be a good step towards reducing man-hours lost every year for organising such trips for more than 15 days. Another important landmark decision was the payment of conveyance allowance at the rate of Rs.150/- per month uniformly to all the employees of the Board in lieu of the bus facility which was being provided to only a small section of the employees. This has bridged the gaps created amongst the employees due to the provision of bus facility to a small number of employees and that too at the Headquarters. Further, this has resulted in the saving of lakhs of ruppees by the Board every year.

The Chairman reiterated that efforts are being made to streamline the functioning of the administration on all fronts particularly in the Regional Offices of the Board which are still in their infancy.

05. At the conclusion of the Chairman's observations, it was resolved that the report of the activities undertaken by the Board since the last meeting of the Governing Body may be placed on record. The members also resolved to extend a warm welcome to the Chairman Prof. B.P. Khandelwal and hoped that under his dynamic leadership, the Board will make further headway both in administrative and academic matters.

06. Thereafter, the Items of the Agenda were taken up :

ITEM I TO CONFIRM THE MINUTES OF THE EMERGENT MEETING OF THE GOVERNING BODY OF THE BOARD ON 12.01.94.

Resolved that the Minutes of the emergent meeting of the Board held on 12.1.94 be confirmed.

ITEM II TO RECEIVE A REPORT ON THE FOLLOW UP ACTION ON THE MINUTES OF THE LAST MEETING OF THE GOVERNING BODY.

Resolved that the report on the follow up action taken on the Minutes of the last Meeting of the Governing Boady be recorded.

ITEM III TO CONSIDER RECOMMENDATIONS MADE BY THE FINANCE COMMITTEE AT ITS MEETING HELD ON 29.9.93.

The Secretary drew the attention of the members to Item No. V regarding "conversion of 6 posts of Desk Attaches in Co-ordination Branch to those of Desk Officers." He informed that in consultation with IFD Division, MHRD, six posts of Desk Attaches in Co-ordination Branch had been upgraded to those of Desk Officer. He further drew

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the attention of the members to Item No.VII regarding "payment of conveyance allowance in cash in lieu of the bus facility provided to the employees". The Secretary informed that out of 623 regular employees, the bus facility was being enjoyed by less than 200 employees and the expenditure came to approximately Rs.220 per month per employee. As this facility was restricted only to a few employees, the matter was considered at length with the representatives of the IIS Division, MHRD and it was decided that a fixed conveyance allowance of Rs.150/- per month be allowed to all the employees of the Board. Resolved that the above recommendations alongwith other recommendations made by the Finance Committee at its meeting held on 29.9.93 be confirmed.

ITEM IV TO CONSIDER RECOMMENDATIONS MADE BY THE FINANCE COMMITTEE AT ITS MEETING HELD ON 02.08.94.

Resolved that the Minutes of the Meeting of the Finance Committee held on 02.08.94 be confirmed.

ITEM V TO CONSIDER RECOMMENDATIONS MADE BY THE EXAMINATION COMMITTEE AT ITS MEETING HELD ON 15.09.93.

Resolved that the Minutes of the Meeting of the Examination Committee held on 15.9.93 be confirmed. However, with regard to Item No.IV regarding "request of Sh. Sumer B. Singh, Headmaster, Lawrence School, Sanawar, for providing certain statistical information for the use of the institutions affiliated with the Board", the representatives of the National Capital Territory of Delhi desired that the Statistics pertaining to various organisations like KVS, Directorate of Education, NVS, etc. be made available on request to the schools of these organisations.

ITEM VI TO CONSIDER RECOMMENDATIONS MADE BY THE EXAMINATION COMMITTEE AT ITS MEETING HELD ON 24.05.94.

Resolved that the recommendations made by the Examination Committee at its meeting held on 24.5.94 be confirmed.

ITEM VII TO CONSIDER RECOMMENDATIONS MADE BY THE EXAMINATION COMMITTEE AT ITS MEETING HELD ON 08.09.94.

As regards recommendation 41.1. regarding "Pass criteria (Secondary School Examination), letters received from NPSC and Delhi Govt. Schools Association were also placed before the House.

After considering the matter at length, it was resolved that in order to declare a candidate as having passed the Secondary School Examination, he/she should

obtain a grade higher than 'E' (i.e. at least 33% marks) in all the five subjects of the external examination in the main or at the compartmental examinations. The pass marks in each subject of external examination shall be 33%. However, in case of a subject involving practical work, it was resolved that the pass in theory and practical separately shall not be necessary for a candidate to qualify himself/herself in that subject. A notification in this regard shall be sent to all the members-schools of the Board well in time. In order words, by this resolution, status quo ante as till 1994 with regard to class X practical subjects pass criteria was restored.

Resolved further that the rest of the recommendation made by the Examination Committee at its meeting held on 08.09.94 including the Report of the Committee appointed by the Chairman to review the Examination Bye Laws (1990) be confirmed.

ITEM VIII TO CONSIDER THE RECOMMENDATIONS MADE BY THE ADVISORY COMMITTEE FOR THE ALL INDIA PRE-MEDICAL/ PRE-DENTAL ENTRANCE EXAMINATION CONDUCTED BY THE BOARD AT ITS MEETING HELD ON 25.11.93.

The minutes of the Meeting of the Advisory Committee for the All India Pre-Medical/Pre-Dental Entrance Examination held on 25.11.93 were read and confirmed.

ITEM IX TO CONSIDER THE RECOMMENDATIONS MADE BY THE ADVISORY COMMITTEE FOR THE ALL INDIA PRE-MEDICAL/ PRE-DENTAL ENTRANCE EXAMINATIONS CONDUCTED BY THE BOARD AT ITS MEETING HELD ON 3.8.94.

The Controller of Examinations informed the Governing Body that for 1994 examinations the papers were set according to the revised syllabus. He also informed the Governing Body that the Optical Mark Reader for processing the results from the 1995 examinations will be used. He further informed the House that from examinations onward only one question paper in place of two will be administered to the candidates. The Controller of Examinations also apprised the House that both these proposals of the Advisory Committee of the Board have been cleared by the Medical Council of India. The Board noted the improvement brought about in the conduct of the All India Pre-Medical/Pre-Dental Entrance Examinations.

Resolved that the recommendations of the Advisory Committee at its meeting held on 3.8.94 be confirmed.

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ITEM X STATUS REPORT ON THE THREE LANGUAGE FORMULA IN THE CBSE SCHOOLS IN THE LIGHT OF THE SUPREME COURT ORDER DATED 19.7.94

The Director (Academic) acquainted the members about the status of the Three Language Formula in the CBSE schools in the light of the Supreme Court Order dt.19.7.94. He mentioned that the Hon'ble Supreme Court has now vide its order dt.19.7.94 directed,

"We are Prima-facie of the view that the subject of Sanskrit which is one of the languages under schedule 8 to the Constitution of India should be included in the syllabus."

This interim order of the Supreme Court has been given in the writ petition No.299/89 filed by Sh. Santosh Kumar and others against the CBSE scheme of Studies introduced on 16.9.88 making Sanskrit as a part of Hindi 'A' Course. He informed the position of language teaching operative in CBSE schools in accordance with the Scheme of Studies of 1975-76 and the scheme of studies relating to language teaching announced vide CBSE circular dt.16.9.1988. The major highlights of both the scheme were also given.

The NPE 1968 states that at the Secondary stage the State Governments should adopt and vigorously implement the three language formula which includes study of a modern Indian language, preferably one of the Southern languages apart from Hindi and English in the Hindi speaking states and of Hindi alongwith the regional languages and English in the non-Hindi speaking states. The NPE 1986 has endorsed the above formulation made in the 1968 policy. The CBSE scheme of 1975-76 does not go against the Supreme Court's order of 19.7.94 since Sanskrit is included in the list of 29 languages provided in the Scheme of Studies and can be offered as one of the languages. The major criticism of the language teaching under the Scheme of Studies of 1975-76 was that though provision for study of a modern Indian language, as also the South Indian languages existed, these languages, however, could be substituted by the classical languages in view of the flexibility built in the previous formula. The Hon'ble Minister of HRD too was apprised of the directive of the Supreme Court and its implications on the implementation of the three Language Formula of 1988. He was of the view that since the whole question needed serious reconsideration it was desired that a reference for the formation of Committee may be made to the MHRD.

It was resolved that a Committee as suggested be formed to look into the whole issue of language teaching. Till such time, in deference with the observations of the Hon'ble Supreme Court, the status quo may be maintained and the old Three Language Formula may be continued.



ITEM XI CBSE-ELT PROJECT : IMPLEMENTATION OF THE NEW CURRICULUM FOR ENGLISH COURSE 'A' AT SECONDARY SCHOOL LEVEL

The Director (Acad.) briefed the members about the progress in the implementation of the new Curriculum for English course 'A' at Secondary School level. He said that the CBSE in collaboration with ODA in UK through British Council Division had taken up the comprehensive Project in 1988 with the object of :-

- (a) Designing of new Curriculum for skill-based learning.
- (b) Production of textual material and new testing design commensurate with the objectives of the Project.
- (c) Training of teachers in CBSE affiliated schools for effective implementation of the new curriculum.

Three batches of CBSE affiliated school teachers were given advance exposure in UK in the above said three different areas. The textual and teaching material produced in country workshops under the guidance of UK Consultants was tried out in different types of schools modified and remodified in the light of feedback received from teachers and students. Intensive mass in-service education courses for teachers of English were organised before the implementation of new curriculum with the object of familiarising the teachers with the new class room strategies of teaching and learning English with focus on communication oriented activities, familiarising them with the new textual material and the shift of emphasis in teaching-learning process, new test design and format of the examination paper and providing experience in test item-writing. 110 In-Service Education Courses were organised in collaboration with British Council Division in the years 1992, 1993 and 1994 in India and abroad. Minimum two teachers from each school have been familiarised with the new curriculum and new approach. Besides, the students' books, teachers' book for classes IX & X have also been developed with exhaustive guidelines on the new communicative approach, the changed role of the teachers, class-room strategies, etc. For those teachers who could not be exposed in In-service Training Programmes, the Board has developed self-Access Package to use the new material and designing new tests. Folder on new strategy of learning and testing has also been developed and provided to the schools, teachers, students and parents. Besides this, the Board also publishes 'English Matters' to interact with teachers of English and to keep them abreast of new techniques and strategies in teaching, learning and testing of English.

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He further informed that the Board in collaboration with CIEFL, Hyderabad and British Council has taken up a Sub-Project related to the study of implementation of the new curriculum titled, 'ELT Monitoring evaluation Programme'. The interim report submitted by the CIEFL is positive about the implementation of the new Project and response from the parents, students and teachers is encouraging. It seems wider awareness has been created and people are happy with the changes. The CBSE has also organised Conference of key Administrators, Education Officers and Principals in different regions to create awareness about the change in related issues. The new curriculum has been implemented in the schools from the academic session 1993-94. The first class X examination in the new course will be held in 1995.

Prof. B.P. Khandelwal, Chairman, CBSE, observed that the communicative approach adopted in preparation of the new curriculum under ELT programme is an advancement over the traditional approach. The curriculum is aimed at reducing the content load and is in consonance with the Yash Pal Committee's recommendations of lessening the burden on students. It also encourages and emphasises comprehensive and internal evaluation and constant self evaluation. It helps in lessening the fear of examination. The communicative approach adopted in the Course may go a long way in the improvement of learning other languages. There is a demand from teachers, parents and students that such an approach is also needed in English Course 'B' owing to the fact that the children taking Course 'B' come to class IX with only three years exposure to English language. The Board had a dialogue with the NCERT for revision and re-shaping of the English Course 'B'. The response of the NCERT in this matter was positive. This approach should also filter down to lower classes for better language preparation.

It was resolved that the report be recorded with a special word of appreciation for the excellent work done. The Board should also take up revision of English 'B' Course. It may also consider organising Inservice Training Programme for the teachers of the Government schools in the National Capital Territory of Delhi who have yet to be covered under the new approach of ELT.

ITEM XII TO CONSIDER THE RECOMMENDATIONS OF THE SPECIAL COMMITTEE CONSTITUTED BY THE CHAIRMAN, CBSE MADE IN ITS MEETING HELD ON 14.9.94 TO ADVISE THE BOARD ON THE IMPLICATIONS ARISING OUT OF THE INTRODUCTION OF THE PRE-VOCATIONAL EDUCATION PROGRAMME IN CLASSES IX & X.

It was resolved that the following recommendation of the Special Committee relating to introduction of the

pre-vocational education programme in classes IX & X be accepted.

- i) The Pre-Vocational education at the secondary stage (class IX & X) is the need of the day and a workable and viable operative programme should be implemented in a few selected schools on an experimental basis, as suggested in the scheme.
- ii) Pre-vocational education courses had a wider spectrum in relation to the Work Experience and the students should be able to attain sufficient proficiency in the trade at the end of class X.
- iii) Curriculum in different trades proposed to be introduced in the schools of NCT of Delhi and Chandigarh Admn. be prepared by the CBSE, since the curriculum in modular forms prepared by the NCERT is not complete in itself. The draft curriculum in the proposed trades will first be prepared by NCT of Delhi/Chandigarh Admn., and submitted to the CBSE for final approval by 31st December, 1994.
- iv) The Pre-Vocational education course be introduced in the selected schools from the next academic session, i.e., 1995-96 in class IX.
- v) Board outlines of the learning material be also prepared.
- vi) Pre-Vocational education be allotted six periods per week as against nine periods suggested in the Curriculum. Since it will be offered in place of Work Experience, three periods were allocated for Work Experience and three more periods out of existing 48 periods provided per week in the National Capital Territory of Delhi/Chandigarh Admn. schools be provided for pre-vocational education.
- vii) Curriculum linkage between pre-vocational education course and +2 vocational courses should be maintained to ensure vertical mobility of students in the same area.
- viii) Evaluation on the pre-vocational courses may be either mix of internal assessment and external assessment or internal assessment alone. The performance in this area will not be counted towards the aggregate marks, but attainment in the pre-vocational education will be reflected in the certificate issued by the Board. The whole scheme of evaluation of the students may be examined further.

Some members observed that vertical mobility, students generally do not go for vocational courses by choice but the courses are thrust upon them. There also does not exist vertical mobility as such we have not been able to achieve the goal of diversification of students after completing +2 under the vocational stream. The scheme of vocational education, therefore, needs review and rethinking.

Chairman, CESE said that redesigning of Vocational Courses was the need of the day. Proper linkages with industries and consumer market have to be built in. Vocational Education should be purposeful and result-oriented. The students at the Secondary stage also should be able to attain some skills and certain levels of proficiency in specific trades which may help them to settle in their life. He assured the members that the suggestions made would be taken up for consideration in the meeting of the Joint Council for Vocational Education.

ITEM XIII TO CONSIDER APPOINTMENT OF PAPER SETTERS/  
MODERATORS/HEAD-EXAMINERS/EXAMINERS/CO-ORDINATORS/  
CHIEF SECRECY OFFICERS/SECRECY OFFICERS AND  
OBSERVERS, ETC. FOR THE BOARD'S EXAMINATIONS TO  
BE HELD IN 1995.

Resolved that the Chairman be authorised to make appointment in respect of functionaries as indicated above for the examinations to be held on 1995.

ITEM XIV TO ADOPT THE 30TH ANNUAL REPORT OF THE BOARD FOR  
THE YEAR 1992-93.

Resolved that the 30th Annual Report of the Board for the year 1992-93 be adopted.

The meeting then ended with a vote of thanks to the Chair.

Sd/-

(S.C. GUPTA)  
SECRETARY

Sd/-

(B.P. KHANDELWAL)  
CHAIRMAN

ANNEXURE - I

The following members attended the meeting :

- 01. Prof. B.P. Khandelwal,  
Chairman, C.B.S.E.  
Delhi.
- 02. Dr. S.S. Rana  
Dean of Colleges,  
Delhi University  
Delhi.
- 03. Shri J.K. Dadu  
Addl. Director of Education,  
Directorate of Education,  
Delhi Admn.,  
Old Sectt.,  
Delhi.
- 04. Shri A. Banerjee  
Dy. Secretary (School),  
MHRD, Deptt. of Education,  
Shastri Bhavan,  
New Delhi.
- 05. Shri Y.P. Purang  
Dy. Director (West)  
Directorate of Education,  
Delhi.
- 06. Shri I.P. Agarwal  
Dy. Director (School),  
Directorate of Education,  
Delhi Admn.,  
Delhi.
- 07. Shri J.C. Sharma  
Education Officer,  
Govt. Boys Sr. Sec. School,  
Laxmi Nagar,  
Delhi.
- 08. Shri M.M. Sharma  
Principal,  
Govt. (Comp) Model Sr. Sec. Education School,  
Shankaracharya Marg,  
(Opp. Matcalfe House),  
Delhi.



03. Prof. R.G. Takwale  
President AIU & Vice-Chancellor,  
Yashwantrao Chavan Maharashtra Open University,  
Nasik.
04. Dr. V.Vasanthi Devi  
Vice-Chancellor,  
Manamiam Sundernagar University,  
Triunelveli,  
Tamil Nadu - 627 009.
05. Shri H.D. Bardi  
Education Secretary & Director of Education,  
A & N Island,  
Port Blair - 744101.
06. Dr. H.C. Pandey  
Vice-Chairman,  
Birla Institute of Technology & Science,  
Ranchi.
07. Shri S.P. Bakshi  
Principal of Modern School,  
Barakhamba Road,  
New Delhi.
08. Shri Tabom Bam  
Secretary Education,  
Govt. of Arunachal Pradesh,  
Naharlagun - 791110.
09. Dr. D.D. Jadeja  
Vice-Chancellor,  
Sardar Patel University,  
Vallabh Vidyanagar.
10. Shri M.C. Joshi  
Director (Finance),  
MHRD,  
Shastri Bhavan,  
New Delhi.
11. Shri F. Fanthome  
Secretary,  
Council for the Indian School  
Certificate Examination,  
Pragati House, Nehru Place,  
New Delhi.

12. Prof. A.L. Nagar  
Pro-Vice-Chancellor,  
University of Delhi,  
Delhi.

13. Km. P. Dolina  
D.E.A.,  
MHRD,  
Shastri Bhawan,  
New Delhi.

The following officer/officials of the Board were in attendance.

01. Shri H.M. Gupta,  
Jt. Secy. (Acad)
02. Shri G.R. Gupta,  
Jt. Secy. (CO-ORDN.)
03. Shri A.D. Sachdev,  
Jt. Secy. (ROD)
04. Shri N.N. Mathur,  
Jt. Secy. (Secret)
05. Shri. D.M. Gupta,  
Head-Computer Cell
06. Shri P.C. Bose,  
E.O. (Science)
07. Smt. Sugandh Sharma,  
E.O. (Soc. Science)
08. Shri C.D. Sharma,  
E.O. (Vocational)
09. Shri D.K. Sharma,  
Dy. Secy. (PMT)
10. Shri Mahavir Singh,  
Dy. Secy. (ROD)
11. Shri Shashi Bhushan,  
Dy. Secy. (V&A)
12. Shri Sukh Dayal,  
Dy. Secy. (ROD)



13. Shri Pitam Singh,  
Dy. Secy. (Admn.II)
14. Shri K.K. Sinha,  
Dy. Secy. (Admn.III)
15. Shri Darshan Lal,  
Dy. Secy. (Affln.)
16. Shri S.S. Negi,  
I.A.F.A.
17. Smt. Rama Sharma,  
P.R.O.
18. Shri Antriksh Johri,  
System Analyst.
19. Shri S.K. Sharma,  
A.E. (E).
20. Shri M.K. Arora,  
PS to CM.
21. Shri Ashok Dhawan,  
PA to CE.
22. Smt. Raj Rani Sharma,  
PA to Director (Acad.)

MINUTES OF THE ANNUAL GENERAL MEETING OF THE GOVERNING BODY OF  
THE BOARD HELD ON 31.01.1995 AT 11.00 A.M. IN THE CONFERENCE  
ROOM OF THE BOARD AT 2, COMMUNITY CENTRE, PREET VIRAR, DELHI

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The list of the members who were present and those who could not be present in the meeting is given in Annexure I.

02 At the very outset, Chairman, Prof.B.P.Khandelwal extended a very warm and cordial welcome to all the members for having spared their most valuable time to take part in the deliberations in the Annual General Body meeting of the Board today. He extended a special welcome to Shri S.P.Rakshi, Principal, Modern School, New Delhi and also in absentia to Prof.(Km.) Sushila Vyas, Director, Banasthali Vidyapith, Banasthali who were joining for the first time. He also took this opportunity to express his thanks and regards to the outgoing honourable member Prof.R.G.Takwale for having been associated with this august body of the Central Board of Secondary Education.

03 He informed that the Annual General Body Meeting of the Board is convened mainly to apprise the Hon'ble Members of the various activities of the Board over the year as also to seek from them their valuable views and opinions on certain vital issues. The last meeting of this august House was held on 20.09.1994. He placed before the Members a synoptic view of the salient achievements of the Board since that date.

#### 4.1 CURRICULUM RENEWAL AND DEVELOPMENT

Curriculum renewal and development is an annual exercise which is undertaken to update and rationalise the various syllabi of the Board. He informed the Hon'ble Members that the curriculum for 1997 examinations is ready and is at present under print. It will be released for public distribution before the start of the next academic session in April, 1995.

#### 4.2 REVIEW OF VOCATIONAL COURSES

At present the Board is offering 39 vocational courses to the students at the plus two stage. All these courses are being reviewed and revised to make them more rational and pragmatic and will be published in their updated form before the commencement of the next academic session for the 1997 examination of the Board. A reference was made to the attempt of developing General Vocational Courses in collaboration with C.I.V.E. The feasibility of introducing pre-university courses is being processed to get it introduced from the next academic session.

#### 4.3 REVISION OF HOME SCIENCE COURSES OF CLASS XI & XII

The Home Science Courses of Class XI and XII have been considerably revised in order to incorporate in them the important areas of Child Development and Textiles and Clothing as also some new contents related to Food and Nutrition and Home Management. In order to enable the teachers to transact the revised courses with full efficiency a Teacher's Manual titled 'Teaching of Home Science in Schools' has been brought out. Furthermore, sample papers with the latest design and marking schemes have also been developed for the benefit of the students and the teachers.

4.4 REVIEW OF INTRODUCTORY COMPUTER SCIENCE SYLLABUS

Since computer science is a rapidly growing science, the Board felt the need of organising an open house meeting attended by practising teachers and subject experts and consequently revised and renewed the syllabus so as to make it more relevant and meaningful for the students.

4.5 IMPROVEMENT IN THE DESIGN OF QUESTION PAPERS

Utilising the feedback received from teachers and subject experts, the Board has further improved the design of the question papers especially with reference to the number of questions to be attempted by the students and the time available to them in different subjects at the secondary level. The new approach in this context is reflected in the sample papers which have so far been developed in Mathematics, Science and Social Science. These are at present under editorial process before their final publication.

4.6 FUTUROLOGY

This new subject which is based on inter-disciplinary insight and greater commitment for better future was introduced by the Board in 1993-94. He further informed that more and more schools are coming forward to include this course in their scheme of studies and as such the Board is planning intensive orientation programmes for them.

05 ELT PROJECT

Under the latest English Language Teaching Project, the Board has introduced new textbooks in Classes IX and X and also developed sample question papers and a brochure titled 'New Strategies of Testing and Teaching' for the benefit of the students and the teachers. The first examination based on the new textbooks with communicative approach will be held in March, 1995. The Board trained nearly 4,000 teachers on the strategies of handling the new textbooks. Training courses were also organised for about 35 paper setters in August 1994. Nearly 88 additional head examiners who will in turn train sub examiners will be exposed to the new testing strategies shortly. The implementation of the entire ELT project is being continuously monitored with the collaboration of the Central Institute of English and Foreign Languages, Hyderabad.

06 CREATIVITY AND SCIENCE EDUCATION

The Board organised an inservice orientation programme on creativity and science for the teachers of secondary classes in 1993. Its main thrust was on encouraging creativity among students. The ideas generated in this orientation programme have been put together in the form of a book and circulated among all the schools for the greater benefit of the students and the teachers. This will go a long way in making the teaching and learning of science more creative.

07 ORIENTATION PROGRAMME IN SOCIAL SCIENCE

Nearly 53 Trained Graduate Teachers of secondary classes attended a training programme on 'Promotion of Secularism and Solidarity in the Nation' with the help of social science as being taught in classes IX and X. The Board

*[Handwritten signature]*

is now about bringing out a brochure containing the ideas developed in this training programme and the various guidelines needed for their implementation in schools. Copies of this brochure will be made available to all the affiliated schools of the Board.

**08 ANALYSIS OF QUESTION PAPERS**

In order to further improve the quality of question papers of classes X and XII, the Board undertook an indepth analysis of the question papers administered in the 1994 examination and furnished the results of this analysis to the paper setters for bringing about qualitative change in the framing of questions and their assessment techniques.

**09 IMPROVEMENT AND REFORMATION IN SCIENCE EDUCATION**

With a view to effecting considerable improvement and reformation in the teaching of science particularly at the secondary stage, the Board organised a brain storming seminar on 20th December, 1994, at Indian National Science Academy, New Delhi. It was attended by 34 participants including eminent scientists, educationists and practising teachers. The session was presided over by Prof. L.S.Kothari, Fellow National Science Academy and Convenor of the Committee of Courses in Physics of the Board. This seminar stressed the need to evolve a coherent model of science education at all levels through establishing science education centres so as to enable the students to meet the present day challenges of the society. It was also suggested that the objectives of science education be clearly defined and the curriculum, textbooks, learning material, training material and evaluation practices be reoriented to the realisation of those objectives. The participants felt that for this a national debate on a wider scale needs to be initiated at the earliest.

**10 PRINCIPALS MEET REGARDING REFORMATION OF CURRICULUM AND RELATED ISSUES**

A meeting of the select principals of the affiliated schools of the Board was held in New Delhi on 10th January, 1995 in order to have an open discussion on the curriculum and other related issues. During the discussions it was realised that the curricula in force at present needed to be pruned to eliminate the irrelevant and obsolete and enriched with the latest content areas so that competencies be developed in the students to enable them to meet the challenges of real life situations. It was also realised that greater emphasis should be laid on skill-oriented subjects and value education.

**11 SAHODAYA SCHOOL COMPLEXES**

The Conferences of Sahodaya School Complexes was held at Madras from 12th November to 14th November, 1994. It was attended by about 200 delegates and 90 principals who actively participated in various issues like the curricula, vocationalisation of education, renewal course content areas, orientation of teachers and principals, value education and many more vital issues. The main theme of the Conference was 'Effective Management and Emerging Challenges'.

**12 SUPREME COURT JUDGEMENT ON THREE LANGUAGE FORMULA**

In a writ petition no.299 of 1989 filed by one Shri Santosh Kumar & others, the Hon'ble Supreme Court of India directed the Board to include Sanskrit as an elective subject in the secondary school syllabus and make necessary modifications in the scheme of studies within a period of three months from the date of its judgement dated 4th October, 1994. The Board has already taken action on this judgement and issued a circular to all the affiliated schools of the Board.

13

REVIEW OF EXAMINATION BYE-LAWS

The Chairman drew the attention of the House to the deliberations of its meeting held on 20.09.1994 with regard to the necessary modification in the examination bye-laws in compliance with the directions of the Hon'ble High Court of Delhi on a petition filed by the Parents' Forum for Meaningful Education. He further informed the Members that the Committee comprising Dr. B. F. Khare, Ex-Registrar, IIPA, Shri P. C. Srivastava, Secretary, UP Intermediate Board of Education, Shri R. C. Palra, Joint Secretary, Association of Indian Universities, AIU House, Kotla Marg, New Delhi, Shri Ved Prakash, Prof., NCERT, Shri P. F. Chauhan, ex-Director of Education and Chairman of UP Intermediate Board of Education as a special invitee, Shri R. C. Gupta, ex-Secretary, CBSF and Shri F. R. Gupta, Joint Secretary (Coordination), CBSE looked into the existing examination bye-laws of the Board and submitted a draft report suggesting necessary modifications. Initially, this Committee submitted an interim report about the revisor in the bye-laws contained in Chapters VI to VIII and subsequently those contained in Chapters I to V and IX to XI. The draft report was duly discussed in the Examination Committee meeting held on 22.12.1994 and after suggesting a few alterations, particularly with reference to Chapters VI to VIII, the Examination Bye-Laws were duly updated.

14

CONDUCT OF MARCH 1995 EXAMINATIONS

The next Board examinations of Class X and XII are scheduled to start from March 2, 1995 at 3619 centres spread all over India and some foreign countries. The number of centres for Class X are 1985 and for Class XII 1634. In all 5,37,171 candidates are expected to take the examination. Of these, 3,28,997 belonged to Class X and 2,08,174 to class XII. Date sheets of the examinations have already been despatched. The examination centres were fixed in consultation with the Director of Education, Delhi, authorities of KVS and JKV's and other concerned bodies. Meetings of centre superintendents and other concerned authorities for the smooth conduct of the examinations have already been conducted. Lists of Additional Head Examiners are being worked out. He hoped that the examination will be conducted very smoothly and with full sanctity in consonance with the well-established prestige and credibility of the Board.

Incidentally, he informed the Hon'ble Members that some problems about the conduct of examination in the States of Bihar, Orissa and Arunachal Pradesh emerged on account of the declaration of elections in these States. However, these have now been sorted out with the help of the Chief Electoral Officers who have been requested to spare the centres of the Board examination from being fixed as polling booths on March, 7, 9 and 11. Requests have also been made to concerned authorities to make available adequate manpower for the smooth conduct of the Board examinations.

15

PMT EXAMINATION 1995

He drew the attention of the Hon'ble Members that in the meeting held on 20.09.1994 they were informed that the Board had taken a landmark decision with regard to the introduction of optical mark reader (OMR) system in the evaluation of answer scripts of PMT examination to be held in May 1995 and afterwards. This system was duly approved by the Advisory Committee and subsequently by this August House. He further informed the House that instead of two papers of two hours each as in the past, there will be only one paper of two and a half hours duration from 1995 examination onward. This new scheme was duly approved by the Supreme Court of India vide its order dated 17.11.1994. The benefits of this scheme are easier conduct of the examination and faster declaration of results.

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AFFILIATION

He drew the attention of the Hon'ble Members to the meeting held on 20.09.1994 in which they were informed that the total number of schools affiliated to the Board at the end of December 1993 stood at 3857. However, as on 31.12.1994 this number went upto 4077 with a further addition of 180 schools which was a sure index of the importance and popularity of the Board as a highly accredited examining body at the national level. This large number of affiliations had naturally increased the administrative workload as well as some legal responsibilities. In order to streamline the entire system, the affiliation data is now being computerised and updated instantly. A constant watch is being kept on the affiliated schools about the compliance of examination bye-laws, maintenance of good standards and updating of their total system. The Board was also not hesitating to initiate punitive action wherever called for as a last resort.

17 ADMINISTRATION

Like other departments of the Board, administration, too, is receiving full attention. The needs of personnel development of the Board staff are being looked into, in-service training is being imparted, requirements of various branches of the Board including the Regional Offices are being monitored. Committees to rationalise certain functions of the Board such as reviewing of the transfer policy, promotion of staff and other welfare measures have been constituted. However, whereas the Board is trying to streamline its functions on all administrative fronts, it is paying greater attention to the growth and development of its Regional Offices which are still at a stage of infancy. The Chairman hoped that through speedy efforts to nurture them, they will soon bloom into their full-flown maturity and will have no sign of infancy at all.

18 At the conclusion of the Chairman's observations, it was resolved that the report of the activities undertaken by the Board in the last meeting of the Governing Body may be placed on record.

19 Thereafter, the Items of the Agenda were taken up :

ITEM I TO CONFIRM THE MINUTES OF THE MEETING OF THE GOVERNING BODY OF THE BOARD HELD ON 20.09.1994

Resolved that the Minutes of the meeting of the Governing Body of the Board held on 20.09.1994 be confirmed.

ITEM II TO RECEIVE A REPORT ON THE FOLLOW UP ACTION ON THE MINUTES OF THE LAST MEETING OF THE GOVERNING BODY

Resolved that the report on the follow up action taken on the Minutes of the last meeting of the Governing Body be recorded. As regard to the resolution for the formation of the Committee to look into the whole issue of language teaching by the MHRD, it was resolved that the MHRD may be informed that since the Board has already implemented the judgement of the Hon'ble Supreme Court of India regarding inclusion of Sanskrit as an elective subject in the secondary school syllabus and has made necessary modifications in the scheme of studies and as such there is no need to form a Committee.

44

**ITEM III TO CONSIDER THE RECOMMENDATIONS MADE BY THE ADVISORY COMMITTEE FOR THE ALL INDIA PRE-MEDICAL/PRE-DENTAL ENTRANCE EXAMINATIONS CONDUCTED BY THE BOARD AT ITS MEETING HELD ON 16.11.1994**

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Resolved that the recommendations of the Advisory Committee for the All India Pre-Medical/Pre-Dental Entrance Examination conducted by the Board at its meeting held on 16.11.1994 be confirmed. Further, it was resolved that in future the Bulletin of Information should not have two different colours keeping in view that the contents are the same. The members desired that as the candidates will be using the OMR system for the first time, adequate publicity be given by issuing necessary instructions to centre superintendent and through national network of DoorDarshan as well as through advertisements in the leading newspapers to familiarise the examinees with the new OMR system. The Board also placed on record the good work done by the PMT Unit.

**ITEM IV TO CONSIDER THE RECOMMENDATIONS MADE BY THE EXAMINATION COMMITTEE AT ITS MEETING HELD ON 22.12.1994**

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Resolved that the recommendations made by the Examination Committee at its meeting held on 22.12.1994 be confirmed.

**ITEM V TO CONSIDER THE RECOMMENDATIONS OF THE AFFILIATION COMMITTEE HELD ON 16.01.1995**

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Resolved that the recommendations of the Affiliation Committee at its meeting held on 16.01.1995 be confirmed.

**ITEM VI TO CONSIDER THE MINUTES OF THE FINANCE COMMITTEE HELD ON 20TH JANUARY, 1995**

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Resolved that Item Nos. I to V and VIII of the meeting of the Finance Committee held on 20th January, 1995 be confirmed. However, with regard to Item No. VI, the Members noted that the Finance Committee had deferred the consideration of the recommendations of the High Power Technical Committee constituted to go through various structural and system imperfections found in the CBSE Building constructed by the NBCC at 2 Community Centre, Preet Vihar, Delhi. After considering the matter at length, the Governing Body unanimously resolved that in order to protect human lives from being hit by the falling dholpur stones, JFC Fabric Jali in mild steel framework as Cantilever around the first floor may be provided immediately and the remaining recommendations of the High Power Technical Committee may be considered at the earliest. Further resolved that the expenditure involved in providing the proposed Cantilever be deducted from the outstanding amount payable to NBCC.

With regard to Item No. VII pertaining to the payment of HRA at the rate of 30% of the basic pay to such members of the staff as had not been provided with official accommodation, the Members noted that the matter was taken up by the Finance Committee as a supplementary item in its meeting held on 20th January, 1995 but somehow the deliberations remained inconclusive. However, realising the importance of the matter, some Members of the Governing Body proposed that the issue of paying HRA at the rate of 30% of the basic pay to such members of the staff as had not been provided with official accommodation be also considered and some interim decision be taken till the Board adopts the Recommendations of the Fifth Pay Commission that are likely to be announced in the near future. After being apprised of the background about the payment of HRA to the Board staff,



the Governing Body unanimously resolved that as an adhoc measure HRA be paid at the rate of 30% of the basic pay only to such members of the staff as had not been provided with official accommodation w.e.f. 01.02.1995 without any retrospective implications and on the condition that at the time of implementing the Recommendations of the Fifth Pay Commission as and when they are announced and adopted by the Board, the Board would be fully empowered to revoke this adhoc measure and review the matter afresh.

ITEM VII TO CONSIDER THE RECOMMENDATIONS OF THE CURRICULUM COMMITTEE HELD ON 24TH JANUARY, 1995


Reference was invited to the earlier decision of the Board taken in its meeting held on 20.09.1994, while considering the recommendations made by the Examination Committee, under Item VII that "in case of a subject involving practical work the pass in theory and practical examinations separately shall not be necessary for a candidate to qualify himself/herself in that subject". The Curriculum Committee when apprised of the decision in its meeting held on 24.01.1995 observed that practicals were integral part of Science teaching and theory and practicals being important components of Science teaching reinforce each other. The recommendation to pass separately in theory and practical examination was taken in view of the fact that there was a little co-relation between theory and practical marks. The Curriculum Committee felt that it was basically a problem of removing the element of subjectivity from practical examination. The Curriculum Committee, therefore, felt that unless the decision taken by the Board in this regard is only a short-term measure, combining the theory and practical marks may have an adverse effect on standards. The practicals have to play a full role in improvement of Science teaching, therefore, there was a necessity to re-examine the issue in its totality. The Curriculum Committee requested the Chairman to set up a special committee to look into the whole issue so as to give due importance to practical work both in teaching and testing.

The Board noted the observations and approved the recommendation that a committee may be set up by the Chairman. It desired that the Committee may also go into the question of bringing the practicals in line with theory at the secondary stage.

At this stage, a point was also raised that different pass/promotion norms are being followed by the schools under the Directorate of Education, Delhi and they be brought nearer to the norms of the Board. In this connection, it was clarified that classes IX & XI form the part of internal assessment and as such the schools/agencies were at liberty to design their own norms. At this point the Addl. Director of Education who was also present in the meeting assured that the Directorate would look into this issue for uniform norms.

Taking up the other item, further progress in the ELT Project and the joint meetings held with the NCERT in this regard, as also the extensive work done for transformation of vocational courses at the +2 stage making them more intensive and professional competent packages were noted.

Resolved that the recommendations made by the Curriculum Committee in its meeting held on 24.01.1995 be confirmed.

*AWK* 



MEM. VIII TO ADOPT THE THIRTY FIRST ANNUAL REPORT OF THE BOARD  
FOR THE PERIOD ENDING 30.09.1994

Resolved that the Thirty First Annual Report of the Board for the period 1993-94 be adopted.

SUPPLEMENTARY ITEM

ITEM IX TO CONSIDER THE MINUTES OF THE EMERGENT MEETING OF  
THE EXAMINATION COMMITTEE HELD ON 30.01.1995.

Resolved that the recommendations made in the emergent meeting of the Examination Committee held on 30.01.1995 be confirmed.

The Meeting then ended with a vote of thanks to the Chair.

( S. C. GUPTA )  
SECRETARY

( B. P. KHANDELWAL )  
CHAIRMAN

The following members attended the meeting :

01. Prof. B.P. Khandelwal,  
Chairman, CBSE,  
Delhi.
02. Shri F. Fanthome,  
Secretary,  
Council for the Indian School  
Certificate Examination,  
Pragati House, Nehru Place,  
New Delhi.
03. Dr. S.S. Rana,  
Dean of Colleges,  
Delhi University,  
Delhi.
04. Shri J.K. Dadoo,  
Adl. Director of Education,  
Govt. of NCT of Delhi,  
Directorate of Education,  
Delhi.
05. Shri A. Banerji,  
Deputy Secretary (Schools),  
MHRD, Deptt. of Education,  
Shastri Bhawan,  
New Delhi.
06. Shri Y.P. Purang,  
Dy. Director (West),  
Directorate of Education,  
Govt. of NCT of Delhi,  
Karampura,  
Delhi.
07. Shri S.P. Bakshi,  
Principal,  
Modern School,  
Barekhamba Road,  
New Delhi.
08. Shri N.K. Gha,  
Principal,  
Vidya Niketan,  
Birla Public School,  
Pilani (Raj.).
09. Shri M.M. Sharma,  
Principal,  
Govt. (Comp) Model Sr. Sec. School,  
Shankaracharya Marg,  
Delhi.
10. Shri B.P.S. Negi,  
Principal,  
Govt. Comp. (Model) Boys Sr. Sec. School,  
Malviya Nagar Extn.,  
New Delhi.
11. Shri J.C. Sharma,  
Education Officer,  
Govt. Boys Sr. Sec. School,  
Laxmi Nagar,  
Delhi.

12. Shri S.C. Gupta, Member Secretary,  
Secretary,  
CBSE,  
Delhi.

The following officers attended the meeting as special invitees :

01. Shri F.R. Sharma,  
Director(Acad.)  
CBSE,  
Delhi.
02. Dr. K.D. Sharma,  
Controller of Examinations,  
CBSE,  
Delhi.

The following Members had shown their inability to attend the meeting :

01. Shri M.C. Mathur,  
Secretary-cum-Director of Education,  
Govt. of Sikkim,  
Gangtok.
02. Shri Taboram Bam,  
Secretary(Education),  
Govt. of Arunachal Pradesh,  
Naharlagun.
03. Shri H.D. Biróí,  
Education Secretary &  
Director of Education,  
A & N Island,  
Port Blair.
04. Prof.(Km.) Sushila Vyas,  
Director,  
Banasthali Vidyapith,  
Banasthali.
05. Dr. V. Vasanthi Devi,  
Vice-Chancellor,  
Mananambalam Sundernagar University,  
Triunelveli,  
Tamil Nadu.
06. Dr. D.D. Jadgeja,  
Vice-Chancellor,  
Sardar Patel University,  
Vallabh Vidyanagar.
07. Dr. H.C. Pandey,  
Vice-Chairman,  
Birla Institute of Tech. & Science,  
Ranchi.
08. Prof. A.L. Nagar,  
Pro-Vice-Chancellor,  
University of Delhi,  
Delhi.

9. Shri M.C. Joshi,  
Director(Finance),  
MHRD, Deptt. of Education,  
Shastri Bhawan,  
New Delhi.
10. Smt. Fuldeep Kaur,  
D.P.I.,  
Chandigarh Administration,  
Sector-9,  
Chandigarh.
11. Shri I.P. Aggarwal,  
Asstt. Director(Adult Edn.),  
Directorate of Education,  
Govt. of NCT of Delhi,  
Delhi.
12. Smt. M. Barsaley,  
Principal,  
Greenfields Public School,  
Dilshad Garden,  
Delhi.
13. D.E.A.,  
MHRD, Deptt. of Education,  
Shastri Bhawan,  
New Delhi.

The following officers/officials of the Board were in attendance :

01. Shri F.R. Gupta,  
Joint Secretary(Acad.)
02. Shri B.R. Gupta,  
Joint Secretary(Co-ordn.)
03. Shri A.D. Sachdev,  
Joint Secretary(ROD)
04. Shri B.M. Gupta,  
Head Computer Centre,
05. Shri S.K. Gangal,  
E.O. (Humanities)
06. Smt. Sugandh Sharma,  
E.O.(Soc. Science)
07. Shri C.D. Sharma,  
E.O.(Vocational)
08. Shri S.S. Negi,  
I.A.F.A.
09. Shri B.R. Sharma,  
Deputy Secretary(PMT)
10. Shri Mahavir Singh,  
Deputy Secretary(ROD)
11. Shri Shashi Bhushan,  
Deputy Secretary(V&A)
12. Shri Sukh Dayal,  
Deputy Secretary(ROD)

13. Shri Pitar Singh,  
Deputy Secretary (Admn. II)
14. Shri K.K. Sinha,  
Deputy Secretary (Admn. III)
15. Shri Darshan Lal,  
Deputy Secretary (Affl.)
16. Shri Antriksh Johri,  
System Analyst
17. Smt. Rama Sharma,  
P.R.O.
18. Smt. Usha Sharma,  
Librarian
19. Shri S.K. Sharma,  
A.E. (E)
20. Shri M.K. Azora,  
PS to CM
21. Shri Ashok Dhawan,  
PA to CE
22. Smt. Raj Rani Sharma,  
PA to Director (Acad.)
23. Shri Shyam Kapoor,  
Steno to Secretary

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**CENTRAL BOARD OF SECONDARY EDUCATION  
SHIKSHA KENDRA, 2, COMMUNITY CENTRE  
PREET VIHAR, DELHI-110 092.**

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**MINUTES OF THE ~~GENERAL~~ GENERAL MEETING OF THE GOVERNING BODY OF THE BOARD HELD ON 22.09.1995 AT 11.00 A.M. IN THE CONFERENCE ROOM OF THE BOARD AT 2, COMMUNITY CENTRE, PREET VIHAR, DELHI-110 092.**

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The list of the members who were present and those who could not be present in the meeting is given in Annexure I.

02. At the very outset, Chairman, Prof. B.P. Khandelwal extended a very warm and cordial welcome to all the members for having spared their most valuable time to take part in the deliberations in the Governing Body meeting of the Board today. He extended a special welcome to Dr. S. Venkateswaran, Director, Birla Institute of Technology and Science, Pilani, Dr. A. Gnanam, Vice-Chancellor, Pondicherry University, Prof. Abad Ahmed, Pro-Vice-Chancellor of Delhi University, Shri Satinder Singh, Director(Schools), MHRD, Shri Ved Prakash, Addl. Director of Education, Shri N.S. Tolia, Deputy Director of Education(Schools), and Shri P.C. Bose, Asstt. Director of Education(Planning) of Directorate of Education who were joining the Board for the first time.

03. He also took this opportunity to express his thanks and regards to the outgoing Members namely Shri M.C. Mathur, Secretary-cum-Director of Education, Govt. of Sikkim, Prof. A.L. Nagar, Pro-Vice-Chancellor, Delhi University, Shri J.K. Dadoo, Additional Director of Education(Admn.), Shri Y.P. Purang, Deputy Director of Education, Shri I.P. Aggarwal, Asstt. Director(Adult Edn.), Directorate of Education, Govt. of National Capital Territory of Delhi, Shri A. Banerji, the then Deputy Secretary, Ministry of HRD, Km. P. Bolina, Deputy Educational Adviser, MHRD for having been associated with this august body of the Central Board of Secondary Education. The Board placed on record its appreciation for the valuable services rendered by them in its deliberations from time to time.

04. He apprised the Hon'ble Members of the various activities of the Board since its last meeting which was held on 31.01.1995. He placed before the Members a synoptic view of the salient achievements of the Board since that date. The major activities of the Board during this period are broadly as follows :

**1. Curriculum Renewal/Development**

**1.1 Curriculum Development**

Curriculum in all the subjects at the Secondary and Senior Secondary stages have been reviewed, up-dated and rationalised for implementation from the academic session 1995-96 for the students who are to appear in 1997 examinations of the Board. This includes up-dation of courses in all the Modern Indian Languages, Classical Languages and Foreign Languages. The following publications were also brought out

1. Secondary School Curriculum(Vol.I) 1997
2. Senior School Curriculum (Vol.I) 1997
3. Secondary School Curriculum (Vol.II) 1997
4. Senior School Curriculum (Vol.II) 1997

Contd...

## 1.2 Review of Curriculum of Vocational Stream

As had been reported in the last Annual General Body meeting of the Board, 37 vocational courses are being offered to the schools at +2 stage. All these courses were in the process of review and rationalisation. During this period, a series of meetings of practising teachers, curriculum experts in different fields and professionals were held in redesigning the courses in order to enhance their utility for seeking jobs or for self-employment. 37 courses in different trades such as Commerce, Engineering, Agriculture, Health and Para Medical etc. were developed and made available to the schools before the commencement of the academic session 1995-96. The input of General Foundation Course and on-the-job training has been strengthened to link these courses with job opportunities.

## 1.3 Development of Sample Question Papers - 1996-97

New sets of sample question papers based on reduced number of questions and updated for 1996 Secondary School Examinations have been developed and finalised in the subjects of Mathematics, Science and Social Science. Similarly, 3 sets of sample question papers in major subjects for Senior Secondary Examinations for the students to appear in 1997 examinations have been got printed and edited. It is likely to be published shortly.

## 1.4 CBSE-ELT Project

He reported that since its last meeting held on 31.01.1995, new curriculum and text books have been introduced in classes IX & X in English Course A and the Board's first examination under new curriculum was held in 1995. Keeping in view the encouraging response from the students as well as teachers, grammar work-shops to create awareness about teaching grammar within communicative language teaching, was held at Delhi and Chandigarh. After the conduct of the 1995 examinations, the Addl. Head Examiners were oriented in evaluation for March, 1995 Examinations in English Course 'A' (Class X) at Delhi, Calcutta, Bangalore and Jaipur.

## 2. National Conference on Vocational Education

With a view to get feed back from the schools affiliated with CBSE offering vocational courses, 2-day conference was held on 14-15 February, 1995 in which heads of schools, practising teachers, experts from various agencies dealing with vocational education, experts from NCERT, MHRD, LIC, GIC, Railways, Khadi Village Industries Commission, etc. participated. The conference made recommendations on various issues. The Board also organised two workshops on General Vocational Courses in collaboration with CIVE at Bhopal which is a body of the NCERT.

These recommendations will further strengthen the course of vocational education.

## 3. One-day Symposium for Primary Schools Teachers

CBSE organised a unique programme known as 'Life Oriented Inquiry Centre'. This Programme centres around the concept "Learning without text-books, home assignments and above all without carrying school bag". This programme extends the concepts of "Learning without Burden" propagated

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by the Yash Pal Committee which was set up by the Govt. of India a few years back. The LOIC programme lays great emphasis on activities for self-learning and continuous assessment. It also enhances different competencies through different subjects areas.

The programme was developed by Guru Shri Shanti Vijai Jain Vidyalaya, Madras. Recognising its potential, the Board organised two seminars in collaboration with the said institution one at Madras and the other at CRPF Public School, Delhi. The programme was appreciated for its emphasis on informality in learning.

The following are the key points of this approach :-

- (i) Learning by doing
- (ii) Freedom to develop a natural environment
- (iii) Creating interest in all work.
- (iv) Scientific study of child's development
- (v) Three partite relationship between the child, the teacher and the parent
- (vi) Promoting creativity by playway method
- (vii) Emphasis on language skills
- (viii) Tapping child's latent potential
- (ix) Systematic evaluation

#### 4. Sample Question Papers for 1996 Examinations

CBSE has been improving its examination procedures continually for the last several years. Improvement of quality of questions is an important part of this reform programme. It has been bringing out sample question papers from time to time and the last exercise in this respect was taken in the years 1989 & 90 for Secondary & Senior Secondary stages. The major thrust was to make the questions objective based and increase the coverage of the syllabus by way of having a large number of questions. These improved question papers were in vogue in the following years. The reform was widely acclaimed. However, the feedback received suggested that though the question papers were excellent in quality in some subjects the students found it difficult to answer them all the prescribed time limit. From this point of view, the designs of the question papers were once again reviewed by the experts in the field of evaluation and measurement from NCERT besides the practising teachers and the paper setters.

From this point of view, sample question papers in the subjects of Social Science, Mathematics and in Science at the Secondary stage (Class X) and for Home Science (Class XII) were prepared for the examinations to be held in March, 1996. These question papers have been printed for the use of schools and teachers for advance preparations. The sample question papers also take into account the changes brought about in the syllabi of Social Science for Class X and Home Science for Class XII as mentioned earlier.

A similar exercise has also been undertaken at the Senior Secondary stage for the subjects belonging to Science, Humanities and Commerce Streams. These sample question papers will be made available to the schools shortly for March 1997 examinations.

#### 5. Development of Minimum levels of Learning in Social Studies

At the instance of Ministry of Human Resource Development, Govt. of India, CBSE undertook a detailed

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exercise to develop minimum levels of learning in Social Sciences for lower secondary Classes i.e. VI to VIII. As part of the National Policy a set of competencies has been prepared. The Core envisages that minimum levels of learning should also be defined with respect to each area of study which form an essential component to which necessary modifications and additions may be made by the concerned State Agencies.

The focus of entire exercise was to identify :

- (i) different directions of intellectual, psychomotor and emotional growth through the medium of Social Studies,
- (ii) to suggest minimum levels in the form of concepts, generalisation and inferences,
- (iii) to articulate them in a graded manner for classes VI, VII & VIII,
- (iv) to promote an integrated approach wherein different components like History, Geography, Civics & Economics merge their identities into each other to make an integrated whole, and
- (v) to encourage thinking and interactive learning in the schools.

A series of meetings were held during the year of reporting. A draft has been finalised and submitted to the national committee of MHRD which has been discussed at the national level.

#### 6. Seminar-cum-workshop on dissection of animals in Biology at the +2 stage.

The Board organised a Seminar-cum-workshop on 9th May, 1995 on the place of dissection in biology at +2 stage. The main purpose of the workshop-cum-seminar was to obtain the views of cross section of people about the necessity of dissection in biology at the +2 stage and to examine suitable alternatives to dissection. A major recommendation made in the Workshop was that it is an essential activity to develop skills and there is no suitable alternative to dissection at present. The schools should, however, be encouraged to use computer aided programmes to further strengthen the skills and minimise dissection of animals.

#### 7. Seminar on Revamping Science Education

CBSE organised a Science meet at the Indian National Science Academy, New Delhi to discuss the need for change and improvement in curriculum content of Science. Prosperity and growth of any nation depend on how the scientific talent is cultivated and how its creative analysis are channelised. Over the years it has been observed in the country, as also in other parts of the world, that interest in scientific pursuits has been constantly waning. This cannot be checked unless Science is popularised in schools and students are motivated to go deeper into the mysteries of Science. The conference was attended by Senior Professors, Scientists,

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Educationists from NCERT and other education bodies, eminent principals and teachers of Science from various fields like Physics, Chemistry and Biology.

The conference discussed various issues and observed that :-

- (i) There is a need to promote and sustain the scientific temper in the students.
- (ii) Science education needs to be more creative and a joyful learning experience.
- (iii) Science education in schools should be supported by a network of science resource centres to encourage innovative work such as projects, exhibitions, demonstrations, facilities for developing competencies in referencing, the use of audio visual aids as also other scientific instruments.
- (iv) Continuous interaction of Science teachers at required intervals through labs demonstration, class-room teaching and project work etc.

The recommendations have been brought to the notice of NCERT and other agencies which are responsible for devising curriculum and other materials. This has also been given wide publicity among the schools.

#### **8. Reorganising Science Practicals**

A concern was expressed in the meetings of the Curriculum Committee of the Board organised earlier about the falling standards of science practicals. It was also observed that the marks obtained by the students in practical examinations conducted by the Board had little correlation with the marks obtained in science theory papers. As a measure of improvement, it was suggested that separate pass in theory and practical examination would to a great extent stem this tide. The Board also suggested that this problem should be viewed in a wider context to improve the overall quality of testing in practicals and bringing the practicals nearer to theoretical teaching in the class-room. With this object in view a special Committee was constituted under the chairmanship of an eminent scientist, Dr. L.S. Kothari. This Committee met several times and after having examined the issue at length, some important recommendations are being made which will be placed before the Board shortly.

#### **9. Thrust on Value Education**

The National Policy on Education has laid considerable emphasis on Value Education by highlighting the need for making education a forceful tool for cultivation of social and moral values. Such values should help eliminate obscurantism, religious fanaticism, violence, superstition and fraternalism. The value system should promote positive quality in human beings which is helpful to them in their sustenance in the changing environment in the world and also gives them opportunity for healthy inter-action and larger

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acceptability in the society. While on the one hand this has been sought to be achieved through integration of the core components in school curricula, syllabi and text-books on the other hand a special programme on Value Education has been strongly recommended in the policy documents in order to generate a wider awareness among the affiliated institutions. In order to discuss the issues connected with Value Education, CBSE organised a national seminar-cum-workshop on Value Education from September 7-9, 1995. This was organised in collaboration with Bhartiya Vidya Bhavan, which has been working in the field of cultural synthesis and renaissance in modern India. The seminar was inaugurated by Shri Man Mohan Singh, Finance Minister, Govt. of India. Shri S.V. Giri, Secretary to Department of Education, MHRD and Shri M.L. Sankar, former Chief Election Commissioner, Govt. of India and Shri Keeset Joshi addressed the conference. Apart from the principals of the schools affiliated with CBSE, experts from different organisations connected with value and cultural education participated in the seminar. It also worked out a strategy for promotion of Value Education in CBSE Schools. The report and recommendations of the seminar are awaited.

**10. Representation of the CBSE in Delhi Book Fair Seminars**

The Board had represented in the Delhi Book Fair Seminars in which one session was also chaired, the theme of which was "Quality Improvement in Children Text Books" and "Educational Publications" for inculcating reading habits.

**11. Appointment of a national task force**

A national task force on the role of Boards as envisaged in the programme of action has been recently set up in which CBSE is an important member as a National Board. It is hoped that the CBSE shall play an important role in the whole scenerio of school education in the country, in national and inter-national context.

**12. International Visitors**

In the early part of the year a Bhutanese Delegation visited the Board's office. These were the Heads of Junior High Schools and Inspectors of schools. The object of their visit was to familiarise themselves with the functions of CBSE as a Board of Education, its various academic activities, pattern of examination system etc. The delegation was addressed by the Chairman and all the Heads of Departments of CBSE.

A delegation from the University of Cambridge, U.K. visited the Board on 8th February, 1995. This included Dr. Michael Halstead, Chief Executive and the Secretary General. The delegation had discussions with the officials of the CBSE on possibilities of holding Cambridge examination in India in joint collaboration with CBSE or any other agency. They also explored areas of cooperation between CBSE and University of Cambridge for the conduct of examinations in each other's curricula.

A team headed by Director of Education, Testing Centre, University of New South Wales Australia, also visited the CBSE in June, 1995 to discuss the modalities of accreditation in examinations in Mathematics, Science and Computer Science.

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The Nepalese delegation headed by Mr. S.B. Sharma, Nyaupane, Member, Planning Commission, Govt. of Nepal, visited the Board on 31st August, 1995. The delegation had discussions with the Chairman and different Heads of the Departments on educational policies, their implementation and broad curricular thrusts in the light of educational policies enunciated. The Nepalese delegations was keen to have collaboration with Indian agencies like NCERT and CBSE on areas yet to be identified.

### 13. Examinations of the Board held in March, 1995

The Examinations of the Board for the year 1995 were conducted in March/April, 1995 peacefully and without any problem. The question papers in almost all the subjects were received well by the candidates as well as by the teaching community and thereafter, the results were declared in time. The compartmental examination was held on 5th August, 1995 and the results for the same have been declared in the first week of September, 1995.

In its meeting held on 18.2.93 this August House had decided that in order to bring the pass criteria in conformity with the rest of the Boards in the country, pass in five subjects of external examination alongwith three areas of internal assessment, be made compulsory for the candidates of the Sec. School Examination of the Board w.e.f. 1995 examination onwards. The decision of this Hon'ble House has been implemented in letter and spirit and the results of the Sec. School Examinations, 1995 were declared on the basis of this pass criteria. The Board laid greater stress on the preparation and updation of the marking scheme in all the major subjects. The detailed marking scheme were finalised by the subject experts drawn from NCERT, various Universities in the country and the Heads of the various institutions, besides the practising teachers. Thereafter, the marking schemes were subjected to field testing before they were released for distribution at Nodal Centres. Besides, all the Head Examiners in some selected subjects, were properly oriented in the implementation of the marking scheme.

The Chairman then placed before this Hon'ble House that of late there has been a persistent demand of transparency in the working of the Board by way of return of answer-books to the Examinees as well as revaluation of answer-books instead of rechecking/verification of marks as is being done presently. In so far as the demand for return of the answer scripts of the examinees is concerned, the Board has taken a consistent stand all along that it may not be administratively and legally viable to return the answer scripts to the examinees particularly in view of the fact that the Schools under the CBSE are spread all over the country and even abroad. However, in order to consider the whole issue of post examination processing and actions, the Board has taken steps suo-moto to consider the demand and in this connection the Board organised a seminar on 6th August, 1995 on the following issues :

1. Evaluation Management
2. Marking Scheme - Current status and Improvement strategies
3. Rechecking - Issues and Implications

In all 50 participants drawn from various academic institutions senior academicians from the Association of

Senior Citizens in education and guardians attended the seminar. The issue was discussed at length in the Seminar. The draft report of the Seminar has been printed and circulated to the participants and others who are considered genuinely interested in raising the standard of education in the country as a whole. The final report will be prepared after the receipt of feed-back from all concerned. The Chairman further informed that the preparations for 1996 examinations have already started in right earnestness. Examination forms for 1996 examinations have been printed and are being supplied to the affiliated schools.

**14. All India Pre-Dental/Pre-Medical Entrance Examination held in May, 1995.**

Attention of the Hon'ble Members was invited to the deliberations held in the last meeting in which it was informed about the introduction of optical mark reader system for evaluation of answer scripts from 1995 examination onwards. The examination was conducted in May, 1995 all over the country successfully and on account of introduction of the optical mark reader system for evaluation of answer scripts, the Board had been able to process the result quickly and declare the results much before the time prescribed by the Hon'ble Supreme Court of India in this regard.

**15. Affiliation**

The number of affiliated schools has risen from 3857 to 4077 since the last meeting held on 31.01.1995. During last 06 months, more than 200 schools have been added to this large family of the Board. With this rapid increase in the number of affiliated schools, administrative and legal problems are also on the rise. Keeping the various difficulties being faced from time to time, efforts were made to streamline the system of affiliation and a number of steps have taken to make the working of affiliation more satisfactory and time bound. In this connection detailed guidelines have been developed for the Inspection Committees, thereby making the Inspection Committees more responsible and committed. In order to keep a check on the mushroom growth of schools all over the country, a Committee on Moratorium had been appointed with Director(Acad.) of the Board as Convener. The report of the Committee is under active consideration of the Affiliation Committee. He further added that in order to grade the Schools according to their comparative merit, territorial study teams headed by very senior persons have been appointed for inspecting the schools in general at Faridabad, Ghaziabad, Noida, Chandigarh and the State of Kerala. The Committees have been requested to make a general assessment of the academic/financial standards of the schools and give a detailed report in this regard. However, he assured the Hon'ble House that the Board is making sincere efforts to streamline the system of affiliation and is also keeping a constant watch on the academic standards of the affiliated schools.

**16. Administration**

The administration, besides catering to the needs of personnel development required for the various needs of the Board, is engaged in other important activities. A few officers/officials have been selected for in-service training conducted by the Institute of Secretariat Training and Management, Ministry of Home Affairs, Govt. of India for its

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various courses relating to personnel management, reservation in service, accounts and finance etc. in 1995. The officers/officials will be sent for various training programmes in different batches. Besides, the Board has constituted a few Committees to rationalise certain functions of the Board, like reviewing the transfer policy, promotion policy, removing the anomalies in the pay scales of the officers/officials of the Board etc.

He further informed that legal cases had increased manifold in the recent past in the Board, but the Board has defended all the cases successfully. It is a matter of great satisfaction that most of the cases filed against the Board in various courts spread all over the country, had gone in favour of the Board. He also informed that a need had been felt to review and revise the role of the Regional Offices of the Board and in this connection the Board was actively considering their man-management, building and other infrastructural facilities and in order to connect them with the headquarters 'modum' through NIC had been envisaged. A request to the schools has been made to send their nominal rolls on computer floppies and it is heartening to note that the same are being received in the office in time. However, he reiterated that efforts are being made to streamline the functioning of the Administration, Accounts and Finance and Legal Branches of the Board particularly with a view to strengthen the Regional Offices of the Board.

17. At the conclusion of the Chairman's observations, it was resolved that the report of the activities undertaken by the Board in the last meeting of the Governing Body may be placed on record.

18. Thereafter, the Items of the Agenda were taken up :

**ITEM I TO CONFIRM THE MINUTES OF THE MEETING OF THE GOVERNING BODY OF THE BOARD HELD ON 31.01.1995.**

Resolved that the Minutes of the meeting of the Governing Body of the Board held on 31.01.1995 be confirmed.

**ITEM II TO RECEIVE A REPORT OF THE FOLLOW UP ACTION ON THE MINUTES OF THE LAST MEETING OF THE GOVERNING BODY OF THE BOARD**

Resolved that the report on the follow up action taken on the Minutes of the last meeting of the Governing Body be recorded.

**ITEM III TO CONSIDER THE RECOMMENDATIONS MADE BY THE ADVISORY COMMITTEE FOR THE ALL INDIA PRE-MEDICAL/PRE-DENTAL ENTRANCE EXAMINATIONS CONDUCTED BY THE BOARD AT ITS MEETING HELD ON 14th JUNE, 1995.**

Resolved that the recommendations made by the Advisory Committee for the All India Pre-Medical/Pre-Dental Entrance Examinations conducted by the Board at its meeting held on 14th June, 1995, be confirmed.

**ITEM IV TO CONSIDER THE RECOMMENDATIONS MADE BY THE EXAMINATION COMMITTEE AT ITS MEETING HELD ON 25TH AUGUST, 1995.**

Resolved that all the recommendations made by the Examination Committee held on 25th August, 1995 be approved. As regards item IV of the Examination Committee concerning the holding of class XII practical examination in the month of February, 1996, the Governing Body was of the view that it might be approved on experimental basis this year and advance information to all the Schools be sent well in time. It was further resolved that in order to reduce the time schedule, the practical examinations might be held in two shifts and the information be made available in advance to all the concerned candidates. Regarding item VIII of the Examination Committee on the question of imposing penalty on the internal staff involved in checking of answer books vis-a-vis the award list, it was considered that the penalties suggested by the Examination Committee about the commission of errors be accepted. However, it was further resolved that a letter of displeasure may also be sent to the examiners through the Heads of the respective institutions for commission of errors in the examination work.

**ITEM V TO CONSIDER THE RECOMMENDATIONS OF THE MEETING OF THE AFFILIATION COMMITTEE HELD ON 15TH SEPTEMBER, 1995.**

Resolved that all the recommendations made by the Affiliation Committee held on 15th September, 1995 be approved.

**ITEM VI TO CONSIDER THE RECOMMENDATIONS OF THE MEETING OF THE FINANCE COMMITTEE HELD ON 21ST AUGUST, 1995.**

Resolved that all the recommendations made by the Finance Committee in its meeting held on 21st August, 1995 including the revised budget estimates for 1994-95, budget estimates for 1995-96 of the income and expenditure of the Board and the budget estimates of all the regional offices be approved. As regards item IV concerning the revision of the pay scales of the officers/officials of the Board upto the rank of Joint Secretary, it was unanimously resolved that the recommendations of the Finance Committee be approved and implemented provisionally with effect from the date of resolution of the Finance Committee in respect of Joint Secretary/Joint Secretary(CC) currently designated as Head(CC)/IAFA, Deputy Secretary and Asstt. Secretary/E.O. to the Chairman. Similarly, pay scales may also be revised, as recommended, for the Misc. posts i) APRO and ii) Wireman including Head Assistants and Personal Assistants irrespective of any condition laid down by the Finance Committee on these two posts because other autonomous bodies like Delhi University and ICMR have already implemented revised scales for these posts. It was further decided that the revision of pay scales in question and the qualifications prescribed for the posts of Joint Secretary, Deputy Secretary and Assistant Secretary be referred to the Controlling Authority of the Board in MHRD for formal approval.

However, with regard to remaining ex-cadre posts of Education Officer, System Analyst, Public Relations Officer, Asstt. Education Officer, Programmer, Asstt. Engineer, Librarian and others, it was resolved that the matter may be referred back to the Finance Committee for consideration and



review of anomaly or adverse effect, if any, whatsoever in their pay scales and other service benefits resulting from the revision of pay scales granted to the other officers/officials of the Board covered by this resolution.

The meeting then ended with a vote of thanks to the Chair.

  
( S.C. GUPTA )  
SECRETARY

  
( B.P. KHANDELWAL )  
CHAIRMAN



ANNEXURE-I

The following Members attended the meeting :

01. Prof. B.P. Khandelwal,  
Chairman, C.B.S.E.
02. Dr. S. Venkateswaran,  
Director,  
Birla Institute of Technology  
and Science,  
Pilani.
03. Dr. S.S. Rana,  
Dean of Colleges,  
Delhi University,  
Delhi-110 007.
04. Shri Ved Prakash,  
Addl. Director of Education,  
Govt. of NCT of Delhi,  
Directorate of Education,  
Delhi-110 054.
05. Smt. Kuldeep Kaur,  
D.P.I.  
Chandigarh Administration,  
Sector-9,  
Chandigarh.
06. Shri N.S. Tolia,  
D.D.E.(Schools),  
Govt. of NCT of Delhi,  
Directorate of Education,  
Delhi-110 054.
07. Shri P.C. Bose,  
A.D.E.(Planning),  
Directorate of Education,  
Govt. of NCT of Delhi,  
Delhi-110 054.
08. Shri N.K. Ojha,  
Principal,  
Vidya Niketan,  
Birla Public School,  
Pilani-333031.
09. Shri M.M. Sharma,  
Principal,  
Govt. (Comp.) Model Senior  
Secondary School,  
Shankaracharya Marg,  
(Opp.Matcalfe House)  
Delhi.
10. Shri B.P.S. Negi,  
Principal,  
Govt. Comp.(Model) Boys Senior  
Secondary School,  
Aliganj (Lodhi Colony),  
New Delhi.
11. Smt. M. Barsaley,  
Principal,  
Greenfields Public School,  
Dilshad Garden,  
Delhi.

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12. Shri S.C. Gupta,  
Secretary, CBSE.

The following officers attended the meeting as special invitees :

01. Shri H.R. Sharma,  
Director (Acad.)  
CBSE, Delhi.
02. Dr. K.D. Sharma,  
Controller of Examinations,  
CBSE, Delhi.

The following Members had shown their inability to attend the meeting :

01. Dr. A. Gnanam,  
Vice-Chancellor,  
Pondicherry University,  
Pondicherry.
02. Dr. V. Vasanthi Devi,  
Vice-Chancellor,  
Mananamaniam Sundernagar University,  
Triunelveli,  
Tamil Nadu-627 009.
03. Dr. D.D. Jadeja,  
vice-Chancellor,  
Sardar Patel University,  
Vallabh Vidyanagar-388 120.
04. Prof. Abad Ahmed,  
Pro-Vice-Chancellor,  
University of Delhi,  
Delhi-110 007.
05. Shri H.D. Birdi,  
Education Secretary &  
Director of Education,  
A & N Island,  
Port Blair-744 101.
06. Shri A.K. Paitandy,  
Secretary (Education),  
Govt. of Arunachal Pradesh,  
Naharlagun-791 110.
07. Prof.(Km.) Sushila Vyas,  
Director,  
Banasthali Vidyapith,  
Banasthali-304022.
08. Shri M.C. Joshi,  
Director(Finance),  
Ministry of Human Resource  
Development,  
Department of Education,  
Shastri Bhawan,  
New Delhi-110 001.
09. Secretary-cum-Director  
of Education,  
Govt. of Sikkim,  
New Sectt.,  
Gangtok737101.

- 10. Shri Satinder Singh,  
Director(Schools),  
Ministry of Human Resource  
Development,  
Shastri Bhawan,  
New Delhi.
- 11. Dr. H.C. Pandey,  
Vice-Chairman,  
Birla Institute of TEch. & Sci.  
Ranchi.
- 12. Shri F. Fanthome,  
Secretary,  
Council for the Indian School  
Certificate Examination,  
Pragati House, Nehru Place,  
New Delhi 110 019.
- 13. Shri S.P. Bakshi,  
Principal,  
Modern School,  
Barakhamba Road,  
New Delhi-110 001.
- 14. Shri J.C. Sharma,  
Education Officer,  
Govt. Boys Sr. Sec. Sechool,  
Laxmi Nagar,  
Delhi-110 092.

The following officers of the Board were in attendance

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- 01. Shri B.R. Gupta,  
Joint Secretary(Cordn.)
- 02. Shri A.D. Sachdev,  
Joint Secretary(ROD)
- 03. Shri N.N. Mathur,  
Joint Secretary(Secret)
- 04. Shri B.M. Gupta,  
Head Computer Centre,
- 05. Shri S.K. Gangal,  
E.O.(Humanities)
- 06. Smt. Sugandh Sharma,  
E.O.(Commerce)
- 07. Shri C.D. Sharma,  
E.O.(Vocational)
- 08. Shri B.R. Sharma,  
Deputy Secretary(PMT)
- 09. Shri Mahavir Singh,  
Deputy Secretary(ROD)
- 10. Shri Shashi Bhushan,  
Deputy Secretary(V&A)
- 11. Shri S.P. Sethi,  
Deputy Secretary(PMT)

12. Shri Sukh Dayal,  
Deputy Secretary(Admn.III)
13. Shri Pitam Singh,  
Deputy Secretary(ROD)
14. Shri Darshan Lal,  
Deputy Secretary(Affl.)
15. Shri Antriksh Johri,  
System Analyst,
16. Smt. Rama Sharma,  
Public Relations Officer,
17. Smt. Usha Sharma,  
Librarian
18. Shri V.P. Gupta,  
Accounts Officer,

MINUTES OF THE GENERAL MEETING OF THE GOVERNING BODY OF THE BOARD  
HELD ON 27.09.1996 AT 11.00 A.M. IN THE CONFERENCE ROOM OF THE  
BOARD AT 2, COMMUNITY CENTRE, PREET VIHAR, DELHI-110 092.

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The list of the members who were present and those who could not be present in the meeting is given in Annexure I.

02. At the very outset, Chairman, Prof. B.P. Khandelwal extended a very warm and cordial welcome to all the members of the Governing Body and his fellow colleagues to the meeting. He accorded a special welcome to Prof. P.S. Bisen, Vice-Chancellor, Barkatullah University, Bhopal, Smt. Satbir Silas, Addl. Director of Education(Admn.), Directorate of Education, Shri Sohan Lal, D.P.I. Chandigarh, Shri K.R. Chandrasekaran, Asstt. Educational Adviser, MHRD, Shri M.V. Prasad, Principal, Daly College, Indore who were attending the meeting for the first time. He also extended a very warm welcome to the newly elected members viz. Shri V.P. Singh, Principal, Govt. Comp. Model Boys S.S.S., Kanti Nagar, Delhi, Shri V.M. Arya, Principal, Govt. Comp. Model S.S.S. No.1, Shakurpur, Delhi, Ms. Chandra Ganguli, Principal, Mamta Modern School, Vikas Puri, New Delhi and Shri S.B. Katara, Principal, Govt. Saryodaya Boys Sec. School, Mayur Vihar, Phase-I, Delhi.

03. He also took this opportunity to express his gratefulness to all the outgoing members, especially Shri M.C. Joshi, Director(Finance), MHRD, Shri Satinder-Singh, the then Deputy Secretary(Schools), MHRD, Shri Ved Prakash, the then Addl. Director of Education(Admn.), Directorate of Education, Delhi, Shri A.K. Paitandy, the then Secretary(Education), Govt. of Arunachal Pradesh, Naharalgun, Shri H.D. Birdi, the then Education Secretary & Director of Education, A&N Island, Port Blair, Smt. Kuldeep Kaur, D.P.I. Chandigarh Admn., Chandigarh, Shri S.P. Bakshi, Principal, Modern School, New Delhi, Shri M.M. Sharma, Principal, Govt.(Comp.) Model Sr. Sec. School, Shankaracharya Marg, Delhi, Shri B.P.S. Negi, Principal, Govt. Comp. Model Boys S.S.S., Aliganj, New Delhi, Smt. M. Barsaley, Principal, Greenfields Public School, Dilshad Garden, Delhi and Shri J.C. Sharma, Principal, Govt. Boys S.S.S., Laxmi Nagar, Delhi for their valuable contributions in helping the Board in taking important decisions in the past.

04. The House then unanimously resolved that the valuable contributions made by the outgoing Members be placed on record.

05. He apprised the Hon'ble Members of the various activities of the Board since its last meeting which was held on 22.09.1995. He placed before the Members a synoptic view of the salient achievements of the Board since that date. The major activities of the Board during this period are broadly as follows :

#### 06 CURRICULUM DEVELOPMENT

The curricula both at the secondary and senior secondary stages for 1998 exams. were up-dated and revised. This updating was based on the feed-back received from the schools to make the existing curricula more coherent, logical and homogenous. The Committee of Courses in different subjects met from time to time and recommended marginal changes to streamline the courses in their respective areas.

**6.1 OVERHAULING OF CURRICULUM IN COMPUTER SCIENCE AND COMPUTER APPLICATIONS.**

Major change was introduced in the curriculum of Computer Science under Academic stream and Computer Applications of Vocational stream as per the demand, need and utility. The curriculum in these areas was finalised after a series of meetings with the experts and practising teachers. The feedback received from the teachers on the revised syllabus was very encouraging.

**6.2 BUSINESS EDUCATION IN SCHOOLS - TRENDS AND PROSPECTS**

The Academic Branch of CBSE had done an extensive exercise of analysing the Commerce syllabi at the Senior School Stage and under-graduate level of State Education Boards of India as well as the under-graduate and inter-mediate courses in Commerce offered in some of the English speaking advanced countries of the West. The results of the analysis in the light of the liberalisation policy announced by the Indian Government since 1990, gave an insight into the emerging trends of Business Education in schools all over the world. The booklet was expected to broaden the horizons of our Business Studies teachers in the teaching of the subject.

**07. SAMPLE QUESTION PAPERS**

Sample question papers in the major subjects were developed for class XII and brought out in three volumes for implementation w.e.f. 1997 Examinations. These sample question papers are based on the revised design which was modified as a result of the feed back received from teachers and students. In a series of meetings of subject experts, design was reviewed with regard to number of questions weightage to instructional objectives and forms of questions. In each subject three sets of sample question papers have been prepared alongwith their blue-print, detailed marking scheme and question-wise analysis and the schools have been advised to procure them.

**08. SAMPLE QUESTION PAPERS IN ENGLISH CORE CLASS XII AND ENGLISH COURSE 'B' CLASS X**

The Board has decided that the question papers in English Core and English Course B for 1997 examination be set on the old pattern. Specimen questions based on revised examination specifications for these courses have been prepared and are being sent to the schools for their guidance.

**09. NATIONAL SEMINAR ON VALUE EDUCATION**

The CBSE had conducted a National Seminar-cum-workshops on value Education in collaboration with Bhartiya Vidya Bhawan, Delhi Kendra from September 7-9, 1995. The Seminar was inaugurated by Dr. Manmohan Singh, the then Finance Minister, Govt. of India, Eminent Educationists and subject experts from leading educational institutions from various parts of the country were invited to address the participants and lead the discussion. The programme was basically aimed at :-

1. Highlighting the component of Value Education in School Curriculum.
2. Working out the content and approaches for developing these programmes.
3. Bringing out the minimum programme of action for promoting value education in schools.

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As a result of this seminar, a comprehensive report was brought out containing the seminar proceedings alongwith the group recommendations and paper/articles by eminent resource persons. This booklet was made available to all the schools free of cost.

As a sequel to this workshop, Bhartiya Vidya Bhawan organised a workshop of experts for preparation of handbook on Value Education from 9 to 13-09-1996. The Workshop aimed at :

Identification of values including core contents at primary middle and secondary level alongwith the inculcation of value in curricular and co-curricular activities in the schools. The group also chalked out minimum programme of education during the academic year along with the suggested time table.

**10. IN SERVICE TEACHERS ORIENTATION PROGRAMME-CUM-WORKSHOP ON CONSUMER EDUCATION AND AWARENESS GENERATION IN SCHOOLS.**

This workshop was organised at Laxman Public School for about 30 teachers of Delhi based India School. The teachers had developed illustrations in this workshop as specimen of activities which teachers themselves can take up while teaching the individual subjects ranging from Science, Social Science, Humanities and Commerce. A brochure is being given final touch to be sent to all the schools for guidance of teachers.

**11. QUESTION PAPER ANALYSIS**

The analysis of question papers was done in Social Science and Commerce subjects for class X & XII for 1995 examinations to find out the strengths and weaknesses of the question papers in these subjects. The feedback was sent to the Secret Unit of the Board for use of the future paper setters.

**12. PERFORMANCE ANALYSIS IN SOCIAL SCIENCE AND COMMERCE SUBJECTS FOR MARCH 1995 EXAMINATION**

In an extensive exercise the Board organised a workshop of about 50 teachers who had analysed the sample of answer scripts of the students drawn from different parts of the country in order to find out the kind of errors made in their answers, the probable causes of such errors along with the remedial teaching measures which teachers could take up in order to remove such errors. The booklet in 2 volumes is in press.

**13. SAHODAYA SCHOOL COMPLEXES**

i) Regional meet of Sahodaya School Complexes were organised at Hyderabad and Jullundur by the Complexes themselves.

ii) Folders titled 'Sahodaya School Complexes - Net working Innadavtion were brought out by the CBSE alongwith the prescribed Registration Proforma requesting those interested in forming a complex of their own in their area to register with the Board. As a result of the efforts 23 new complexes have been formed in different parts of the country.

iii) 5th National Conference of Sahodaya School Complexes is being organised from 1st to 3rd November, 1996 at Amritsar in collaboration with the Sahodaya School Complex at Amritsar. The theme of the Conference is 'Innovative Practices for Effective Learning'. Information folders on the conference brought out by the host complex have been sent to all the complexes requesting them to participate and submit their papers for the theme.

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**14. MINIMUM LEVELS OF LEARNING IN SOCIAL STUDIES FOR UPPER PRIMARY STAGE.**

The National Core Committee had formed the Sub-Committee under the Chairmanship of the CBSE Chairman, to develop minimum level of learning in Social Studies for classes VI to VIII. In a series of meetings of the working group, these competencies have been developed and finalised. The copies were submitted to the Ministry for its approval and future action.

**15. CBSE-ELT PROJECT**

After two years of use the Class IX books for English Course 'A' were revised in 1995 and the revised version is now under print to be implemented from the session 1997-98 in class IX. Similarly, the class X books are to be revised in October, 1996. The testing pattern and issues related to assessment were also reviewed in a workshop with U.K. consultants in December, 1995. A series of training of Head Examiners were conducted in February-March, 1996 all over the country (Delhi, Jaipur, Madras and Bhubneshwar). A round of training of Key Resource Persons from different agencies (KVs, PVT. Govt. etc.) was organised in which 06 workshops were conducted at different venues (Delhi, Madras, Burnpur, Nainital, Calcutta, Cochin) in July-August, 1996 and the total number of participants trained was 150.

**16. ORIENTATION PROGRAMME-CUM-WORKSHOP IN ENVIRONMENT EDUCATION.**

The Board conducted an orientation programme-cum-workshop in Environment Education from 5-9 August, 1996 at Springdales School, Delhi. The objectives of the programme were :

- (i) To discuss environmental components in existing CBSE syllabi at Secondary stage and identify more components, if any, to strengthen the same.
- (ii) To orient teachers for effective transaction of environmental concepts in the syllabi and to enable them to give environmental orientation to teaching of different subjects.
- (iii) To develop activities and illustrations on environmental concepts for inclusion in proposed support material.
- (iv) To examine the support material being prepared by the Board with regard to its suitability and relevance for schools situations.

**RESOURCE PERSONS**

Resource Persons were invited from NCERT, Delhi University, WWF for Nature-India, CEE, Ahmedabad a school of Planning and Architecture, Delhi.

The support material is under preparation. The Board subsequently plans to orient its teachers for effective transaction of environmental concepts.

**17. ORIENTATION PROGRAMME IN COMPUTER SCIENCE**

Seven day Orientation Programme in Computer Science was organised from 8-14 August, 1996 by CBSE to train key Resource Persons in the revised curriculum in Computer Science. Resource Persons from Department of Electronics, JNU, DIT, University of Delhi and Course Committee Members were involved. 60 teachers from Delhi, Madras, Bangalore, Hyderabad and U.P. attended the programme.

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## 18. VOCATIONAL COURSES

Sample question papers in Computer Science alongwith Question Bank are being prepared for 1998 Examination.

Sample question papers in Commerce based courses including single paper of "Introduction to Computer Applications" under vocational stream have been prepared in 2 volumes. Volume I consists of all the commerce based courses except stenography Vol. II is for the vocational package on Stenography.

Further sample question papers in Fisheries based vocational courses have been prepared as Vol. III.

Sample Question Papers in Computer Application as Vocational package have also been prepared as Vol. IV.

## 19. BROCHURE ON CBSE COURSES IN COMPUTER EDUCATION

The Board has been imparting Computer Education at different levels i.e. at the level of Work Experience from Class VI to Class XII, pre-vocational in Class IX and X, vocational package in Class XI and Class XII, single Elective Paper in Class XI and XII under academic stream. The brochure contains information about the objectives and purpose of Introduction of Computer Education at different levels.

## 20. INTRODUCTION OF NEW ACTIVITY ON COMPETITIVE SPORTS PROGRAMME FOR THE INDEPENDENT SCHOOLS OF THE CBSE.

In order to supplement the academic input earlier provided by the CBSE by way of introducing Physical Education of Sports as a part of examination and evaluation subject at Secondary and Senior Secondary levels, a need was being felt to bring in the component of Competitive Sports in the CBSE programme. With this objective a sub-committee of experts was constituted last year. In terms of their recommendations, it has been decided to organise Inter-School Athletics Meet for the CBSE independent schools with effect from the current session (1996-97). The special Sports Committee has adopted organisational structure, the Operational Rules and Regulations for this meet by laying down procedures of implementation and evolving various types of proforma for smooth conduct of these competitions.

All the independent schools have been divided into twelve units known as 'clusters'. At this stage, the athletics events are proposed to be organised at twelve different venues spread all over the country to be organised in the month of October, 96. In the second stage best three athletics from each cluster will be eligible to participate in the zonal meets which will be held at four regional centres in the month of November, 1996.

The National Inter-School Athletics Meet to be held at Moti Lal Nehru School of Sports, Rai, in the month of December would see the best talents from their respective zones. Additionally a contingent of about hundred athletes from the Gulf countries is likely to join their Indian counter-parts during this National Meet.

## 21. EXAMINATIONS OF THE BOARD HELD ON MARCH, 1996

Examinations of 1996 were conducted fairly and smoothly. The question papers in all the major papers were very well taken by the student community as well as by the teaching community. Examinations in subjects involving practicals were held in the

first and second week of February, 1996 i.e. prior to the conduct of the theory examinations. The results of the examinations for Classes X/XII were declared on time as per the schedule. First chance compartmental examination was held on 5th of August, 1996 and its results have already been declared on 4th and 9th of Sept., 96 for Classes X/XII respectively. The system of conduct of practical examinations in the first and second week of February has been appreciated by all concerned and, therefore, the CBSE proposes to continue with the same system for 1997 examinations and onward.

The CBSE strived hard to improve the quality of assessment. In this connection greater stress was laid on the development of Marking Schemes in major subjects which were finalised not only by the experts drawn from NCERT etc. but with the active participation of practising teachers/principals. Before finalisation of the documents, these were subjected to field-testing. Subsequently, before the actual commencement of the evaluation at the Nodal Centres Head Examiners, in selected subjects, were given orientation to make them understand the finer points of the Marking Schemes. Efforts were also made to provide computerised marking schemes. This was widely acclaimed by the teaching community.

However, co-ordination work in the nodal centres still remains a soft and weak area. He said that there is a need for introspection on our part as well as a thoughtful action plan which could be implemented with sincerity. Head Examiners have to pay more attention to this area in order to reduce the number of mistakes that are detected at the time of verification of marks after the declaration of results.

To give an idea of the actual marking of scripts two documents, namely i) Marking Scheme in Commerce Stream; ii) Marking Scheme in Science Stream based on 1996 question papers have been printed. Furthermore it will expose the subject teachers and students to the scientific procedure of marking adopted. Its purpose is also to encourage institutions to develop such Marking Schemes even for the non-Board classes. The third document - Marking Scheme for Class X has also been finalised for printing. Hopefully, it will be available to schools by the first week of October.

The CBSE is contemplating to introduce surprise checks of the Nodal Centres selected as evaluation Centres. The primary purpose is to have first hand feed-back of evaluation and incorporate it for streamlining the system.

We are taking steps to identify the experts right now who will be participating in the development of Marking Schemes exercise. Necessary instructions have already been issued to the Regional Offices to notify the names of experts in various subjects to all the schools of a region so that comments on the question papers administered in the forthcoming examinations are sent immediately so that these are consolidated and presented at the time of Marking Schemes preparation.

The Chairman further stated that efforts are being made towards the management of data. Encouraged by last year's response of the schools to supply examinees information on floppies, the CBSE has provided standardised lay-out alongwith the relevant programme. Besides economical, it will bring an added advantage of accuracy and record keeping. It is hoped that this year more schools will switch over to computerisation.

Preparations to examinations have been set in motion. We are confident that with the support of schools and sister organisations we will be able to maintain not only the sanctity of examinations but enhance its credibility.

## 22. REGISTRATION OF STUDENTS

It has come to the notice of the CBSE that certain schools which are not affiliated to the CBSE also manage to get their students enrolled for the CBSE Examination by sending their applications through affiliated schools. This malpractice cannot be allowed to continue because of its corrupt nature. The Examination Committee and the Finance Committee have already taken a decision that as a precautionary measure to forestall such improper enrolments, the Committees have decided to introduce compulsory registration of all the students at Class IX level in the very beginning of the academic session so that subsequent interpolation of fake candidates may be blocked.

## 23. INCLUSION OF MOTHER'S NAME IN THE APPLICATION FORMS AND DOCUMENTS USED/ISSUED BY THE CBSE.

In order to remove the Gender Bias, it has been decided to include the mother's name alongwith the name of the father. The mother's name will precede father's name effective from the academic session beginning 1st April, 1997 for class IX.

## 24. RECOMMENDATIONS OF THE COMMITTEE HEADED BY DR. R.P. SINGHAL, FORMER CHAIRMAN, CBSE TO LOOK INTO THE ISSUES OF RE-EVALUATION AND RETURN OF ANSWER SCRIPTS.

As reported to this House in the proceedings held on 22.09.1995, the Chairman informed that the CBSE had appointed a Committee headed by Dr. R.P. Singhal, Former Chairman, CBSE to look into the issues of

- i) Re-evaluation
- ii) Return of answer-scripts  
- Issues and implications

The Committee had submitted its report on 21.3.1996. The report was placed before the Examination Committee in its meetings held on 17.9.1996 and on 24.9.1996. He informed that the minutes of the Committee are placed before the Governing Body for its consideration.

## 25. ALL INDIA PRE-DENTAL/PRE-MEDICAL ENTRANCE EXAMINATION HELD IN MAY, 1996.

In pursuance of the directions of the Apex Court, CBSE has been conducting All India Pre-Medical Test since 1987. This year 1,73,065 students were registered. This examination was conducted on 15.5.1996 and the results were declared on 23rd June, 1996. Some of the important measures taken were :

- Based on the feed-back received from students, the format of the booklet was revised. In the improved format, space for 'rough work' was provided at the end of each page.
- Special teams were constituted to conduct surprise checks at critical centres located in Lucknow, Patna, Calcutta and Chandigarh.
- For better effectiveness, working partnership between CBSE personnel on duty and the teams was ensured by specifying the tasks.

As the surprise inspections have proved quite useful, the CBSE, if need be, will bring more cities under the scheme.

Besides the above mentioned examination, the Manipal Academy of Higher Education (MAHE) also approached the CBSE for conducting the Medical Entrance Examination which was conducted on 30th June, 1996 and the result was handed over to the concerned institution on 11th July, 1996. The number of candidates registered for this examination were 10,459.

The AIU. has requested the Board to consider the conduct of external examination in one/two subjects for Gandhi Memorial International School, Jakarta which is also the approved centre for GCEO/A level examination. In view of the increasing international dependence in all the fields including education, the CBSE has decided to favourably concede to such requests. It will, however, be subject to the advance registration with the Board for, which international fee is to be paid.

## 26. AFFILIATION

The Chairman drew attention of the Hon'ble Members to his presentation before this August House in its last meeting held on 27.09.1995 in which he had apprised the House that the number of affiliated schools had risen to 4077 till 31.12.1994. During the last one and a half years about 500 schools have been added to this large family of the Board. All out efforts are made to streamline the system of Affiliation and consequently a number of steps have been taken during the last one year to make the working of Affiliation more satisfactory and time bound. In this direction detailed guidelines are issued for the Inspection Committees from time to time thereby making the Inspection Committees more responsive and committed. During the last meeting of this August House, he informed that territorial study teams headed by very senior persons had been appointed for inspecting the schools in general at Faridabad, Ghaziabad, Noida, Chandigarh and the State of Kerala. Some of the Study Teams have since submitted their reports in which the general assessment of the Academic and Financial standards of the schools had been highlighted in detail. He further stated that the Board is making all out efforts to streamline the system of affiliation and it is keeping constant watch on the academic standards of the affiliated schools. The Board has been able to sustain and maintain the academic standards of its affiliated schools to a great extent.

## 27. ADMINISTRATION

This, Hon'ble House may appreciate that with the rapid increase in the number of affiliated schools of the Board, the number of students and other personnel are also increasing day by day. Consequently, the role of Administration is also becoming increasingly complex. The administration, besides catering to the needs of the personnel development required for the various needs of the Board, is engaged in other important activities, like imparting training in various fields to its officers/officials. A few officers/officials were sent for in-service training in the Institute of Secretariat Training and Management, Ministry of Home Affairs, Government of India for its various courses relating to Personnel management, Reservation in Services, Accounts and Finance etc. The feedback received from those who have been trained, reveals that they have benefited substantially which may reflect on the improvement of their efficiency in the day-to-day functioning. Besides, the Board had appointed a few Committees to rationalise certain functions of the Board like Transfer Policy, Promotion Policy, Removal of anomalies in the pay scales of the officers/officials of the

Board. Some of the reports were received and were placed before the relevant committees. Keeping in view the recommendations of the Committees, the various areas in the field of Administration have been streamlined.

He informed the House that on account of increase in the number of affiliated schools, legal cases have increased manifold in recent past. The Board has been able to defend most of the cases successfully. However, with a view to reviewing and revising the role of the Regional Offices of the Board, a workshop of all those officers who are dealing with the legal cases in the Regional Offices was organised during August, 1996 which proved to be quite useful for those who participated in the workshop. He further stated that improvement in Administration, Accounts and Finance and Legal Branches of the Board is a continuous process and the Board is endeavouring all the time to improve it day by day.

28. At the conclusion of the Chairman's observations, it was resolved that the report of the activities undertaken by the Board in the last meeting of the Governing Body may be placed on record.

29. Thereafter, the Items of the Agenda were taken up :

**ITEM I TO CONFIRM THE MINUTES OF THE MEETING OF THE GOVERNING BODY OF THE BOARD HELD ON 22.09.1995.**

Resolved that the Minutes of the meeting of the Governing Body of the Board held on 22.09.1995, be confirmed.

**ITEM II TO RECEIVE A REPORT ON THE FOLLOW UP ACTION TAKEN ON THE MINUTES OF THE LAST MEETING OF THE GOVERNING BODY OF THE BOARD.**

Resolved that the report on the follow up action taken on the Minutes of the last meeting of the Governing Body, be recorded. As regards Class XII practical examinations held in the month of February, 1996 on experimental basis, it was decided that a proper feed back be had from the principals of various Schools affiliated to the Board in order to arrive at the conclusion whether the experiment has proved successful from the students angle and in future the practical examinations be regularly held in the month of February before theory papers.

**ITEM III TO CONSIDER THE RECOMMENDATIONS MADE BY THE ADVISORY COMMITTEE FOR THE ALL INDIA PRE-MEDICAL/PRE-DENTAL ENTRANCE EXAMINATIONS CONDUCTED BY THE BOARD AT ITS MEETING HELD ON 25.07.1996.**

Resolved that the recommendations made by the Advisory Committee for the All India Pre-Medical/Pre-Dental Entrance Examinations conducted by the Board at its meeting held on 25.07.1996, be confirmed.

**ITEM IV TO CONSIDER THE RECOMMENDATIONS MADE BY THE EXAMINATION COMMITTEE AT ITS MEETINGS HELD ON 22.07.1996 AND 06.08.1996.**

Resolved that the recommendations made by the Examination Committee at its meetings held on 22.07.1996 and 06.08.1996, be confirmed.

**ITEM V TO CONSIDER THE RECOMMENDATIONS OF THE AFFILIATION COMMITTEE AT ITS MEETING HELD ON 11.06.1996.**

Resolved that the recommendations made by the Affiliation Committee at its meeting held on 11-06-1996, be confirmed. During the deliberations, the members noted the disparity between the Council for the Indian School Certificate Examination and the CBSE with regard to the 'No Objection Certificate'. It was pointed out that CISCE presumes the consent of the State/UT authorities, if no reply is received to the communication sent to the Competent Educational Authorities. However, the members felt that such a presumption was only one sided and the non-receipt of reply could also mean the refusal of the consent of the authorities concerned. In view of this peculiar situation, it was resolved to refer the matter to the Controlling Authority for such action as it may deem fit.

**ITEM VI TO CONSIDER THE RECOMMENDATIONS OF THE FINANCE COMMITTEE AT ITS MEETING HELD ON 23.09.1996.**

Resolved that the recommendations made by the Finance Committee in its meeting held on 23.09.1996 including the revised budget estimates for 1995-96, budget estimates for 1996-97 of the income and expenditure of the Board and the budget estimates of all the regional offices be approved. It was observed that since the gap between the income and expenditure of the Board is very narrow and there is a vital need to generate additional sources of income as also to enhance income from different sources, it was emphasised that the Committee constituted to look into this matter be requested to expedite its operation and submit its report as early as possible in order to avoid any financial crisis in the near future.

**SUPPLEMENTARY ITEMS**

**ITEM I & II TO CONSIDER THE MINUTES OF THE MEETINGS OF THE EXAMINATION COMMITTEE HELD ON 17.09.1996 AND 24.09.1996.**

The Controller of Examinations placed before the House the Evaluation Committee Report following the recommendations of seminar in 1995 and the Report of Dr. R.P. Singhal's Committee on reevaluation and return of answer-books. He gave a detailed background about the issues and implications of both the reports of the Committees. It was unanimously resolved that the recommendations made by the Evaluation Committee Report following the recommendations of the Seminar and the report of Dr. R.P. Singhal's Committee on reevaluation and return of answer-books, be approved. However, as regards the appointment of retired teachers/principals/vice-principals for various examinations related assignments, it was decided that all such appointments should be subject to the thorough satisfaction and responsibility of the overall incharge of the concerned assignment for which the appointments may be made.

With permission of the Chairman, the following issues were raised for consideration and it was decided to examine them at the appropriate level of the Board in due course of time:

1. Provision of separate Maths courses for Science and Commerce students in class XII.
2. Relaxation/Revision in the stipulated qualification for appointment as Computer Science teachers.
3. Review of the Computer Science Syllabus with reference to the introduction of C++ in place of pascal for classes XI and XII examination.

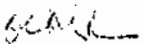
The following Members attended the meeting :

01. Prof. B.P. Khandelwal,  
Chairman,  
C.B.S.E., Delhi.
02. Prof. P.S. Bisen,  
Vice-Chancellor,  
Bankatullah University,  
Bhopal-462016.
03. Prof. S.S. Rana,  
Dean of Colleges,  
Delhi University,  
Delhi-110 007.
04. Dr. S. Venkateshwaran,  
Director,  
Birla Institute of Techn. & Science,  
Pilani.
05. Mrs. Satbir Silas,  
Addl. Director of Education(Admn.),  
Directorate of Education,  
Govt. of NCT of Delhi,  
Old Secretariat,  
Delhi.
06. Shri Sohan Lal,  
D.P.I. School,  
Sector-9,  
U.T. Sectt.,  
Chandigarh-160017.
07. Shri N.S. Tolia,  
Addl. Director of Education(Wel./School),  
Directorate of Education,  
Govt. of NCT of Delhi,  
Delhi-110054.
08. Shri P.C. Bose,  
Asstt Director of Education(Planning)  
Directorate of Education,  
Govt. of NCT of Delhi,  
Delhi-110054.
09. Shri M.V. Prasad,  
Principal,  
Daly College,  
Indore-452001.
10. Shri N.K. Ojha,  
Principal,  
Vidya Niketan,  
Birla Public School,  
Pilani-333031.
11. Ms. Chandra Ganguli,  
Principal,  
Mamta Modern School,  
H-Block, Vikas Puri,  
New Delhi.



4. Introduction of practical examination in the subject of Business Studies in class XII.
5. Provision of separate pass in class X theory and practical Science examinations.
6. Introduction of the same pattern of teaching and examinations in class X English Course 'B' as in English Course 'A'.
7. Provision of additional subject in class X examinations.
8. Quicker disposal of affiliation cases especially in Delhi.
9. Deletion of Economics from class X Social Studies Syllabus to alleviate the heavy workload on students and teachers.
10. Quicker decision of the cases relating to the pay scales of ex-cadre posts.

The meeting then ended with a vote of thanks to the Chair.

  
( S.C. GUPTA )  
SECRETARY

  
( B.P. KHANDELWAL )  
CHAIRMAN



The following Members attended the meeting :

01. Prof. B.P. Khandelwal,  
Chairman,  
C.B.S.E., Delhi.
02. Prof. P.S. Bisen,  
Vice-Chancellor,  
Barkatullah University,  
Bhopal-462016.
03. Prof. S.S. Rana,  
Dean of Colleges,  
Delhi University,  
Delhi-110 007.
04. Dr. S. Venkateshwaran,  
Director,  
Birla Institute of Techn. & Science,  
Pilani.
05. Mrs. Satbin Silas,  
Addl. Director of Education (Admn.),  
Directorate of Education,  
Govt. of NCT of Delhi,  
Old Secretariat,  
Delhi.
06. Shri Sohan Lal,  
D.P.I. School,  
Sector-9,  
U.T. Sectt.,  
Chandigarh-160017.
07. Shri N.S. Tolia,  
Addl. Director of Education (Wel./School),  
Directorate of Education,  
Govt. of NCT of Delhi,  
Delhi-110054.
08. Shri P.C. Bose,  
Asstt Director of Education (Planning)  
Directorate of Education,  
Govt. of NCT of Delhi,  
Delhi-110054.
09. Shri M.V. Prasad,  
Principal,  
Daly College,  
Indore-452001.
10. Shri N.K. Ojha,  
Principal,  
Vidya Niketan,  
Birla Public School,  
Pilani-333031.
11. Ms. Chandra Ganguli,  
Principal,  
Mamta Modern School,  
H-Block, Vikas Puri,  
New Delhi.

12. Shri S.B. Katara,  
Principal,  
Govt. Sarvodaya Boys Sec. School,  
Mayur Vihar, Phase-I,  
Delhi.
13. Shri V.M. Arya,  
Principal,  
Govt. Comp. Model SSS NO.1,  
Shakurpur,  
Delhi-110034.
14. Shri V.P. Singh,  
Principal,  
Govt. Comp. Model Boys Sr. Sec. School,  
Kanti Nagar,  
Delhi.
15. Shri K.R. Chandrasekaran, Nominee from MHRD  
Asstt. Educational Adviser,  
Department of Education,  
Ministry of Human Resource Development,  
Shastri Bhawan,  
New Delhi-110 001.
16. Shri S.C. Gupta,  
Secretary, C.B.S.E.

The following officers attended the meeting as special invitees :

01. Shri H.R. Sharma,  
Director(Acad.),  
C.B.S.E., Delhi.
02. Dr. K.D. Sharma,  
Controller of Examinations,  
C.B.S.E., Delhi.

The following Members had shown their inability to attend the meeting :

01. Shri D. Tshering,  
Secretary-cum-Director  
of Education,  
Govt. of Sikkim,  
New Sectt.,  
Gangtok-737101.
02. Shri A.C. Das,  
Secretary(Education),  
Govt. of Arunachal Pradesh,  
Naharlagun-791110.
03. Shri F. Fanthome,  
Secretary,  
Council for the Indian School  
Certificate Examination,  
Pragati House, Nehru Place,  
New Delhi-110019.

04. Shri N. Das,  
Director of Education,  
A & N Island,  
Port Blair-744101.
05. The Vice-Chancellor,  
Mananameniam Sundernagar University,  
Triunelveli,  
Tamilnadu-627009.
06. Dr. D.D. Jadeja,  
Vice-Chancellor,  
Sardar Patel University,  
Vallabh Vidyanagar-388120.
07. Prof. Abad Ahmed,  
Pro-Vice-Chancellor,  
University of Delhi,  
Delhi-110007.
08. Dr. H.C. Pandey,  
Vice-Chairman,  
Birla Institute of Technology,  
Ranchi.
09. Shri Mohan Francis,  
Deputy Financial Adviser,  
Department of Education,  
Ministry of Human Resource Development,  
Shastri Bhawan,  
New Delhi-110001.
10. Smt. Arti Kant,  
Director (Sec. Edn.),  
Department of Education,  
Ministry of Human Resource Development,  
Shastri Bhawan,  
New Delhi-110 001.
11. Prof. (Km) Sushila Vyas,  
Director,  
Banasthali Vidyapeeth,  
Banasthali-304022.
12. Prof. Krishan, Kumar,  
Deptt. of Education,  
University of Delhi,  
Delhi-110007.
13. Dr. A. Gnanam,  
Vice-Chancellor,  
Pondicherry University,  
Pondicherry.

The following officers of the Board were in attendance :

01. Shri H.R. Gupta,  
Joint Secretary (Acad.)
02. Shri B.R. Gupta,  
Joint Secretary (Coordination),

Contd...4..

03. Shri A.D. Sachdev,  
Joint Secretary (ROD)
04. Shri N.N. Mathur,  
Joint Secretary (Secret)
05. Shri B.M. Gupta,  
Head (Computer Cell)
06. Shri D.K. Srivastava,  
I.A.F.A.
07. Shri Shashi Bhushan,  
Deputy Secretary (V&A)

**CENTRAL BOARD OF SECONDARY EDUCATION  
SHIKSHA KENDRA, 2, COMMUNITY CENTRE  
PREET VIHAR, DELHI-110092.**

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MINUTES OF THE GENERAL MEETING OF THE GOVERNING BODY OF THE BOARD HELD ON 26.07.1997 AT 11.00 A.M. IN THE CONFERENCE ROOM OF THE BOARD AT 2, COMMUNITY CENTRE, PREET VIHAR, DELHI-110092.

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The list of the members who were present and those who could not be present in the meeting is given in Annexure I.

02. At the very outset, Chairman, Prof. B.P. Khandelwal extended a very warm and cordial welcome to all the members of the Governing Body and his fellow colleagues to the meeting. He accorded a special welcome to Smt. Arti Kant, Director (SE), Ministry of Human Resource Development, Dr. (Smt.) V. Vasanthi Devi, Vice-Chancellor, Manomaniam Sundaranar University, Tirunelveli. Prof. P.S. Bisen, Vice-Chancellor, Barkatullah University, Bhopal, Dr. H.C. Pandey, Vice-Chancellor Eminities, Birla Institute of Technology, Ranchi. Mrs. K. Namchom, Director of Education, Govt. of Arunachal Pradesh, Naharlagun, Shri N. Das, Director of Education, A & N Island, Port Blair, Prof. Abad Ahmed, Pro-Vice-Chancellor, University of Delhi, Shri S.K. Gupta, Chairman IPSC & Principal, Birla Vidyamandir, Nainital and Shri S.R. Dogra, Desk Officer (IFD), MHRD, New Delhi who were attending the meeting of the Board for the first time.

03. He also took this opportunity to express his gratefulness to all the outgoing members, especially Dr. D.D. Jadeja, Vice-Chancellor, Sardar Patel University, Vallabh Vidyanagar and Shri N.K. Ojha, Principal, Vidya Niketan, Birla Public School, Pilani for their valuable contributions in arriving at important decisions in the past.

04. The House then unanimously resolved that the valuable contributions made by the outgoing Members be placed on record.

05. In his introductory remarks, he apprised the Hon'ble Members of the various activities of the Board since its last meeting held on 27.09.1996. The Chairman drew attention of the House to emerging challenges in the field of secondary education. He said the period we were passing through was very hard. There was a rapid impact of globalisation in all the fields of our national development including School and higher education. Consumerism was taking deep roots and becoming the order of the day. In this changing scenario, the responsibilities of the teachers and the students had multiplied. They were required to acquire latest skills and competencies to perform their respective roles in the Society. He informed that the Board has striven hard to make significant progress in the field of academics, examinations and other administrative activities during the last one year which are as follows :

#### 06 CURRICULUM DEVELOPMENT

The curricula both at the Secondary & Senior School levels were updated and revised for 1999 Examinations. The updations were carried out on the basis of the feedback received from the schools to make the existing curricula more relevant, meaningful, coherent and homogeneous. The Committees of Courses in various subjects met at different points of time to examine the existing syllabi and to make modifications, updations when and where found necessary.

## 7. Syllabi for Secondary/ Senior School Examinations

The Syllabi for March 1999 Examinations were brought out in two volumes as usual and were made available on time. The Hindi version have also been got printed.

## 8. CBSE-ELT Project

As a part of on-going exercise, ELT Project was carried out with collaboration of British Council Division and Overseas Development Authority, U.K. The books for English Course A for Class IX were revised. The revision was carried out in the following books :-

- a. Main Course Book
- b. Literature Reader
- c. Work Book
- d. Teachers' Book

The Audio Cassettes were also updated.

The work is being carried out for Class X in order to make available the relevant materials much early for the next session.

The collaboration with British Council and ODA has ended on March 1997.

## 9. Workshop in English Course A

A workshop to update/revise the existing English Course A material for Class X was held in October 1996 at Gangtok for a period of three weeks. The additional inset workshops for providing better class-room interaction were held at the following places :-

- a. Doha-Qatar
- b. Ranchi, Bihar.
- c. Indian Central School, Kuwait
- d. M.E.S. Indian School, Doha-Qatar

## 10. Revision of English Course B

In order to keep parity with the approach to class-room teaching and evaluation, the subject of English Course B is also being revised and updated based on communicative approach. The revised material is ready and the Board is planning to have a series of Orientation Programmes for teachers shortly.

## 11. Revised edition of Sanskrit

Sanskrit Reader Bharti for Class X was revised and the revised edition has been made available to schools.

## 12. New Text Book in Punjabi

The new books in Punjabi 'Sahityik Deepika Part II' and 'Sahityik Vannagian Part II' were also got printed and made available to schools.

## 13. Book on History of Indian Art

A introductory book on History of Indian Art for Class XI covering the subjects of Painting, Fine Arts, Sculpture and

Graphics has been prepared by the Board to facilitate the students who are opting these subjects.

**14. Publication on Environment and Schools**

In order to popularise environment education, and as a follow-up of the programme which was conducted by the Board in August 1996, a book on 'Environment and Schools' has also been published. Two orientation programmes for the development of 'Resource Persons' in environment education were conducted at Delhi and Chennai.

**15. Publication on Consumer Education**

As a follow-up of the workshop on Consumer Education and Awareness conducted in 1996, the Board has brought out a book on Consumer Education and Awareness. The Board is also planning to have a series of workshops for teachers at the secondary school level to infuse in the minds of young students the need for quality and consumer awareness.

**16. Publication on Value Education**

As a sequel to the workshop conducted at Bhartiya Vidya Bhavan in 1996, the Board has brought out a book on Value Education which will act as a resource material to schools for strengthening the concepts of value education in the class-room situation. Detailed specifications with regard to the objectives to be achieved at various levels have been listed. The Board is planning to conduct shortly orientation programmes for principals in collaboration with Bhartiya Vidya Bhawan and Modi Foundation.

**17. Computer Education**

In order to provide user-friendly approach to the study of Computer Science and to provide supporting material to the teachers, the Board has published Teachers' Resource Material on C++ language. The Board has already conducted a few workshops to train the teachers on C++ and the same is being followed-up at various places shortly. A Book titled 'Question Bank' providing question bank, sample question papers and project work/activities to enrich the teachers and students has already been brought out by the Board.

**18. Performance Analysis in Commerce, Accountancy, Mathematics, History, Political Science and Geography**

Performance analysis in Commerce, Accountancy, Mathematics, History, Political Science and Geography has been brought out in two volumes. This was done based on elaborate exercises of analysing sample of answer scripts of students drawn from different parts of the country. The objective of the above is to find commonalities of the errors, causes for such errors, remedial steps to be adopted. It is hoped this will act as a good feedback to the teachers in the class-room.

**19. Seminar on Business Education**

A seminar on Business Education was conducted in December 1996 to focus the problems of teaching Business Studies. On the basis of the above a booklet titled 'Business Education in Schools - Trends and Prospects' was brought out by the Board.

More than 22 workshops of Additional Head Examiners were organised in different parts of the country, including Delhi.

**20. Question Paper Analysis**

The analysis of the question papers implemented in March 1997 examinations was carried out in the subjects of English Core, Hindi Core, Mathematics, Physics, Chemistry, Biology, Business Studies, Accountancy, History, Economics, Political Science and Geography for Class XII and in the subjects of English Course A, Hindi Course A, Mathematics, Sciences and Social Sciences for Class X. The elaborate exercise carried out with subject experts will be a feedback to the system of paper-setting and will help to update the existing patterns of paper-setting.

**21. Generic Vocational Course**

Generic Vocational Course which was developed by PSSCIVE, Bhopal in collaboration with CBSE was introduced in about 25 schools on experimental basis in 1997. The course content was designed to promote entrepreneurial qualities and a vocational input to the students following academic stream. A three days workshop for the principals was conducted at Chennai where nearly 50 principals attended the programme. A resource material for the teachers was also developed. The Board is planning to introduce this course in about 100 schools during current academic year.

**22. Dissection in Biology**

It has been decided that the existing provision for dissection of animals in Biology practicals for the students of Classes XI & XII be made optional and a commitment to this effect has been given by the Department of Education, MHRD to the Hon'ble High Court of Judicature, Delhi. The alternatives are being worked out in collaboration with NCERT.

**23. Updations in French Syllabus**

It has been decided to revise/update the existing French syllabus as the same has not been done for a long time. The French Embassy has agreed to provide the necessary support on similar lines to the ELT Project for updation of the syllabi, training of teachers and the publication of the textual material.

**24. Visit of French Delegation**

A French Delegation headed by Mr. Jacques Thierry, Inspecteur General and Councillor for the French Ministry of Education visited CBSE on 15.5.1997. It was proposed that the Board will identify the areas of collaboration in the field of vocational education where the French Govt. would be able to support the Board in terms of academic material, technology and teaching methods. The areas identified are :-

- a. Computer Science
- b. Fashion design and Fashion Technology
- c. Non-Conventional Energy
- d. Petro-Chemicals
- e. Food Processing
- f. Business Organisation

**25. Mizo Language**

The Board has agreed to introduce Mizo as one of the languages to be offered at the Secondary level from 1999 examinations.



A request was made by the Mizoram Board of School Education, Mizoram to adopt the CBSE curricula at the Secondary School level and the Board has granted necessary permission for the same.

**27. Sahodaya School Complexes**

The Fifth National Conference of the Sahodaya School Complexes was held at Amritsar from 1 to 3rd November, 1996. The conference was attended by over 100 principals focussed on Innovative Teaching Practices in Effective Learning.

**28. Conference of the Schools affiliated to CBSE in the Gulf.**

A conference of the Principals of the CBSE Schools in the Gulf was held in December 1996 at Delhi. Prof. P.N. Dave addressed the Principals. The theme of the conference was Education for Change in 21st Century.

**29. National Sports Meet**

The Board conducted the regional and national level sports meet after several years in 1996. The national meet was held at Moti Lal Nehru School of Sports, Rai from 20-22nd December, 1996. Shri P.R. Dasgupta, Secretary Education, Govt. of India presided over the national sports meet at Rai.

**30. Workshop for teachers at Sikkim**

A workshop for enrichment of teachers was held for two weeks at Sikkim. The programme was welcomed by the teachers.

**31. Road Safety Week**

The Board conducted Road Safety Week in collaboration with the Ministry of Surface Transport and Association of Private Schools, CBSE at Chennai from January 1 to 7, 1997. An exhaustive programme on Road Education was conducted and a book titled 'Operation Red Road' was released. The Board is planning to conduct Road Awareness programme at national level in collaboration with the Ministry of Surface Transport, Delhi.

**32. Examinations of the Board held in March, 1997.**

He informed that the Board conducted the Secondary and Senior Secondary Examinations in March, 1997 fairly and smoothly. By and large, the question papers in all the major subjects were very well taken by the student community as well as by the teaching community. However, one voluntary organisation, namely, Parents' Forum for Meaningful Education filed a Writ Petition in the Hon'ble High Court of Delhi pointing out certain alleged irregularities/mistakes in Physics, Chemistry and Mathematics question papers for Class XII & Maths question paper for Class X. The case is being heard by the Hon'ble High Court of Delhi. Results have since been declared. The system of conduct of practical examination in the first and second week of February which has been practised during 1996 and 1997 examinations, has been appreciated by all concerned and, therefore, the Board proposes to continue with the same system in future.

With a view to improve the quality of assessment it was for the first time in an examination that the marking scheme in

all the major subjects were printed in book form and discussed at length by the concerned Head Examinees at the nodal centres and pretesting was conducted. The printing errors or any other ambiguity in the marking scheme were corrected then and there before the start of the actual evaluation. This effort of the Board was widely acclaimed by the teaching community. The marking scheme for the major subjects have been published by the Board as a priced publication so that the students and the teaching community at large may have the actual idea of the marking scheme. Furthermore, the system will expose the subject teachers and the students to the scientific procedure of marking devised by the Board. The main purpose of issuing a priced publication of the marking scheme is to encourage the institutions affiliated to the Board to develop such marking schemes for the school examinations of other classes.

The Compartmental Examination of the Board is scheduled to be held on 5th August, 1997. Thereafter, preparations for the examinations to be held in 1998 would be set in motion. He stated that with the support of the institutions affiliated with the Board and other sister organisations, the Board will be able to maintain not only the sanctity of examinations, but also enhance its credibility.

33. All India Pre-Dental/Pre-Medical Entrance Examination held in May, 1997.

Pursuant to the directions of the Apex Court, CBSE has been conducting All India Pre-Medical/Pre-Dental Entrance Examination since 1987. This year 1,61,864 candidates were registered. The examination was conducted smoothly and the results were declared well in time. Keeping in view some complaints, the Inspection Teams for the Centres at Lucknow, Calcutta, Patna and Chandigarh were strengthened and additional personnel were deployed to ensure free and fair conduct of examination.

Besides the above mentioned examination, the Board conducted the Medical Entrance Examination for the Manipal Academy of Higher Education also and the result was handed over to the concerned institution on time.

34. Affiliation

The number of affiliated institutions are increasing day-by-day and inspite of the fact that the Board has imposed stringent conditions for affiliation quite a large number of applications are being received every year from different schools all over the country. During the last one year about 250 schools have been added to this large family of the Board and the number of affiliated schools has risen to 4800 till date. A number of steps have been taken to streamline the system of affiliation and to make the working of affiliation satisfactory and time bound. In this direction detailed guidelines are issued for the Inspection Committees from time to time thereby making the Inspection Committees more responsive and committed. The Board does not hesitate in taking stringent action against the Schools who are found to be violating the conditions of affiliation. The Board is keeping constant vigil on the academic standards of the affiliated institutions and thus, it has been able to sustain and maintain the academic standards to a large extent. The Board is going to undertake a

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massive project of MIS to help and corroborate for quality improvement to be promptly informative and responsive.

### 35. Administration

With the rapid increase in the affiliated institutions, the number of students and other personnel, the role of administration is also becoming increasing complex. In order to up-date the administrative skills of the officers of the Board, training programmes were organised this year for all Section Officers, Desk Officers and Assistant Secretaries of the Board with the help of Indian Institute of Public Administration and Mahatma Gandhi Institute of Integrated Rural Energy Planning & Development. A few other officers were also sent for inservice training in the Institute of Secretariat Training and Management, Ministry of Home Affairs, Govt. of India for its various courses relating to Personnel Management, Reservation in Services, Accounts and Finance etc. in the day-to-day functioning. Besides, the Board is making all out efforts to rationalise some important functions of the Board, like transfer policy, removal of anomaly in the pay scales of ex-cadre posts in the Board, etc.

### 36. Legal Cases

He informed that on account of increase in the number of affiliated institutions the legal cases have also increased manifold in the recent past. The Board has been able to defend its policy and its bye-laws in most of the cases successfully. However, a workshop is organised every year of all those officers/officials who are dealing with the legal cases in the Regional Offices with a view to rationalise the role of Regional Officers in this field. But, it may be submitted that improvement in Administration, Accounts & Finance and other spheres is a continuous process and the Board is endeavouring all the time to improve

### 37. Interaction with outside agencies.

He informed that the CBSE is actively involved in various Committees constituted by the Govt. of India, MHRD, NCERT, National Council of Teachers Training, Delhi Govt. etc. and is contributing its views through the Chairman, Secretary, Director(Acad.) and the Controller of Exams.

### 38. Innovations and Updatons

The Chairman informed the House that the Board was striving towards optimisation of productivity and with this end in view imparting training in latest technuques to its staff. It was also taking steps to sensitise its staff to the aspirations of the public so that it may register greater cordiality and efficiency in the discharge of its duties. He further informed that the Board had strengthened its resources of income by means of fresh enterprises such as taking royalty on Question Papers, conduct of PMT Examination for Manipal etc. The Board had also resorted to austerity measures and economising in its day to day expenses.

39. With these observations, the Chairman expressed his sincere thanks to the members who were kind enough to spare their valuable time to attend this meeting. He also expressed his thanks to Shri H.R. Sharma, Dr. K.D. Sharma, Shri S.C. Gupta, Shri G. Balasubramanian, Shri H.R. Gupta and all colleagues for extending full cooperation to him.

40. At the conclusion of the Chairman's observations, it was resolved that the report of the activities undertaken by the Board in the last meeting of the Governing Body may be placed on record.

41. Thereafter, the Items of the Agenda were taken up :

**ITEM I TO CONFIRM THE MINUTES OF THE MEETING OF THE GOVERNING BODY OF THE BOARD HELD ON 27TH SEPTEMBER, 1996.**

Resolved that the minutes of the Governing Body of the Board held on 27th September, 1996 be confirmed.

**ITEM II TO RECEIVE A REPORT ON THE FOLLOW UP ACTION TAKEN ON THE MINUTES OF THE LAST MEETING OF THE GOVERNING BODY.**

Resolved that the report on the follow up action taken on the minutes of the last meeting of the Governing Body held on 27th September, 1996 be recorded. It was further resolved that the action taken by the Board to conduct Class XII practical examination in the month of February, 1996 be continued.

**ITEM III TO CONSIDER THE RECOMMENDATIONS MADE BY THE ADVISORY COMMITTEE FOR THE ALL INDIA PRE-MEDICAL/PRE-DENTAL ENTRANCE EXAMINATIONS HELD ON 03.10.1996**

Resolved that the recommendations made by the Advisory Committee for the All India Pre-Medical/Pre-Dental examination held on October, 1996 be approved.

**ITEM IV TO CONSIDER THE RECOMMENDATIONS MADE BY THE EXAMINATION COMMITTEE AT ITS MEETING HELD ON 5TH MARCH, 1997.**

Resolved that the recommendations made by the Examination Committee at its meeting held on 5th March, 1997 be approved subject to the following:

(i) The House noted that there was a variation between the examination fee paid by the All-India scheme and Delhi Scheme candidates. It was, therefore, decided that the Chairman may set up a Committee consisting of representatives from various organisations to look into the matter. It was suggested by some members that being a national Board, the CBSE should charge a uniform fee from all the candidates. However, for 1998 and 1999 examinations, the fees as recommended by the Examination Committee, Affiliation Committee and the Finance Committee were approved, and

(ii) Further resolved that the remuneration for examining the theory answer books in Class XII be revised from Rs.3.50 to Rs.4.50 instead of Rs.4.45. Also the rates payable to Class IV staff under category delivery of question papers be brought to Rs.29/ at par with that prescribed under the spot evaluation.

**ITEM V TO CONSIDER THE RECOMMENDATIONS MADE BY THE AFFILIATION COMMITTEE AT ITS MEETING HELD ON 20TH MARCH, 1997.**

Resolved that the recommendations made by the Affiliation Committee at its meeting held on 20th March, 1997 be approved subject to the following:

i) With regard to Item No. IV i.e. violation of various norms of affiliation, it was decided that the Board may take stringent action against such schools as violate the norms of affiliation by breach of contract, under payment of salaries, levying of high fees and voluntary donations and other procedural lapses. It was further decided that periodical inspections of private schools be conducted more frequently to keep a vigil on their functioning; and ii) with regard to Item No. VII regarding raising the limit of reserve fund, it was resolved that the interest accruing out of the deposits of reserve fund made by the institution at the time of affiliation/extension of affiliation be not withdrawn by the Management and shall be re-deposited so that the deposited fund would rise under the head 'Reserve Fund' substantially to protect the interest of the staff of the school.

**ITEM VI TO CONSIDER THE RECOMMENDATIONS OF THE FINANCE COMMITTEE AT ITS MEETING HELD ON 15TH APRIL, 1997.**

Resolved that the recommendations of the Finance Committee at its meeting held on 15th April, 1997 be approved subject to the following:

i) With regard to Item No. IV regarding award of two advance increments to the Section Officers, it was pointed out that as the matter was also under active consideration of Delhi University, the same may be taken up as and when decision is taken by them or similar autonomous organisations under the Government of India; ii) With regard to Item No. XI, the Governing Body took note of the correspondence and approved the recommendations of the Finance Committee pertaining to the proposals for time bound promotion; iii) With regard to Item No. XVI regarding removal of anomaly/anomalies in the pay scales of ex-cadre posts, the House was informed that anomalies in the pay scales of regular officers/officials of the Board were removed in August, 1995. However, the cases of officers/officials of ex-cadre posts were under review by a sub-committee and its report was awaited. Resolved that the sub-committee be requested to submit its report at the earliest and the Chairman be authorised to take appropriate decision in the matter.

**ITEM VII TO CONSIDER THE MINUTES OF THE EMERGENT MEETING OF THE AFFILIATION COMMITTEE HELD ON 21ST JULY, 1997**

Resolved that the minutes of the emergent meeting of the Affiliation Committee held on 21st July, 1997 be approved.

**ITEM VIII TO CONSIDER THE MINUTES OF THE MEETING OF THE CURRICULUM COMMITTEE HELD ON 21.07.1997**

Resolved that the minutes of the meeting of the Curriculum Committee held on 21.7.97 be approved.

**ITEM IX TO CONSIDER THE RECOMMENDATIONS OF THE SPECIAL SPORTS COMMITTEE WITH REGARD TO RAISING FUNDS FOR THE NEW ACTIVITY OF INTER-SCHOOL SPORTS COMPETITIONS.**

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Resolved that the recommendations made by the Special Sports Committee with regard to raising funds for the new activity of Inter-School Sports Competitions be approved.

**ITEM X TO RECEIVE REPORT OF THE RESULTS DECLARED BY THE BOARD FOR THE EXAMINATIONS HELD IN MARCH/MAY, 1997.**

Resolved that the report of the results declared by the Board for the examinations held in March/May, 1997 be recorded.

The meeting then ended with a vote of thanks to the Chair

*S.C. Gupta*  
(S.C. GUPTA )  
SECRETARY

*B.P. Khandelwal*  
(B.P. KHANDELWAL)  
CHAIRMAN

The following Members attended the meeting :

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01. Prof. B.P. Khandelwal,  
Chairman,  
CBSE, Delhi.
02. Smt. Arti Kant,  
Director (SE),  
Govt. of India,  
Ministry of Human Resource  
Development,  
Department of Education,  
Shastri Bhawan,  
NEW DELHI-110001.
03. Dr. (Smt.) V. Vasanthi Devi,  
Vice-Chancellor,  
Manomaniam Sundaranar University,  
Triunelveli,  
Tamil Nadu.
04. Prof. P.S. Bisen,  
Vice-Chancellor,  
Barkatullah University,  
Bhopal.
05. Dr. H.C. Pandey,  
Vice-Chancellor,  
Birla Institute of Technology,  
Ranchi.
06. Mrs. K. Namchoom,  
Director of Education,  
Govt. of Arunachal Pradesh,  
Naharlagun.
07. Shri N. Das,  
Director of Education,  
A. & N Island,  
Port Blair.
08. Prof. Abad Ahmed,  
Pro-Vice-Chancellor,  
University of Delhi,  
Delhi.
09. Prof. S.S. Rana,  
Dean of Colleges  
Delhi University,  
Delhi.
10. Shri N.S. Tolia,  
Addl. D.E. (Wel. & Sch.),  
Directorate of Education,  
Govt. of NCT of Delhi,  
Delhi.
11. Shri S.R. Dogra,  
Desk Officer (IFD),  
Ministry of Human Resource  
Development,  
Department of Education,  
New Delhi.

Nominee from MHRD

Contd...2..

12. Shri P.C. Bose,  
D.D.E. (Text Books) &  
Managing Director,  
Delt. Bureau of Text Books,  
New Delhi.
13. Shri S.K. Gupta,  
Chairman IPSC & Principal,  
Birla Vidyamandir,  
Nainital.
14. Km. Chandra Ganguli,  
Principal,  
Mamta Modern School,  
H-Block, Vikaspuri,  
New Delhi.
15. Shri S.B. Katara,  
Principal,  
Govt. Sarvodaya Boys Sec. School,  
Mayur Vihar, Phase-I,  
Delhi.
16. Shri V.M. Arya,  
Principal,  
Govt. Boys Sn. Sc. School,  
D Block, Ashok Vihar,  
Delhi-110052.
17. Shri V.P. Singh,  
Principal,  
Sarvodaya Bal Vidyalaya,  
Kanti Nagar,  
Delhi-51.
18. Shri S.C. Gupta,  
Secretary, C.B.S.E.

The following officers attended the meeting as special invitees :

01. Shri G. Balasubramanian,  
Director (Acad.),  
C.B.S.E., Delhi.
02. Shri H.R. Gupta,  
Controller of Exams. (P&P),  
C.B.S.E., Delhi.

The following Members had show their inability to attend the meeting :

01. Shri D. Tshering,  
Secretary-cum-Director  
of Education,  
Govt. of Sikkim,  
New Sectt.,  
Gangtok-737101.
02. Shri F. Fanthome,  
Secretary,  
Council for the Indian School  
Certificate Examination,  
Pragati House, Nehru Place,  
New Delhi-110019.



03. Dr. V.S. Patel,  
Vice-Chancellor,  
Sardar Patel University,  
Vallabh Vidyanagar.
04. Dr. A. Gnanam,  
Vice-Chancellor,  
Pondicherry University,  
Pondicherry.
05. Prof. N.C. Nigam,  
Vice-Chancellor,  
University of Roorkee,  
Roorkee.
06. Dr. S. Venkateshwaran,  
Director,  
Birla Institute of Technology  
& Science,  
Pilani.
07. Prof. (Km.) Sushila Vyas,  
Director,  
Banasthali Vidyapeeth,  
Banasthali.
08. Prof. Krishan Kumar,  
Deptt. of Education,  
University of Delhi,  
Delhi.
09. Smt. (Dr.) Satbir Silas,  
Director of Education,  
Directorate of Education,  
Govt. of NCT of Delhi,  
Old Sectt., Delhi.
10. Shri Mohan Francis,  
D.F.A.,  
MHRD, Deptt. of Education,  
Shastri Bhawan,  
New Delhi.
11. Shri Sohan Lal,  
D.P.I. Schools, Sector-9,  
U.T. Sectt.,  
Chandigarh.
12. Shri M.V. Prasad,  
Principal,  
Daly College,  
Indore.
13. Dr. P.H.S. Rao,  
J.E.A. (Sch.)  
MHRD, Deptt. of Education,  
Shastri Bhawan,  
New Delhi.
14. Dr. K.D. Sharma, Special Invitee  
Controller of Exams,  
C.B.S.E., Delhi.

The following officers of the Board were in attendance :

01. Shri B.R. Gupta,  
Joint Secretary (Coord.)

02. Shri A.D. Sachdev,  
Joint Secretary(ROD)
03. Shri N.N. Mathur,  
Joint Secretary(Secret)
04. Shri B.M. Gupta,  
Head(CC)
05. Shri D.K. Shivastava,  
I.A.F.A.
06. Shri Shashi Bhushan,  
Deputy Secretary(V&A)

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**CENTRAL BOARD OF SECONDARY EDUCATION  
SHIKSHA KENDRA, 2, COMMUNITY CENTRE  
PREET VIHAR, DELHI-110092.**

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MINUTES OF THE GENERAL MEETING OF THE GOVERNING BODY OF THE  
BOARD HELD ON 26.07.1997 AT 11.00 A.M. IN THE CONFERENCE ROOM OF  
THE BOARD AT 2, COMMUNITY CENTRE, PREET VIHAR, DELHI-110092.

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The list of the members who were present and those who could not be present in the meeting is given in Annexure I.

02. At the very outset, Chairman, Prof. B.P. Khandelwal extended a very warm and cordial welcome to all the members of the Governing Body and his fellow colleagues to the meeting. He accorded a special welcome to Smt. Arti Kant, Director(SE), Ministry of Human Resource Development, Dr.(Smt.) V. Vasanthi Devi, Vice-Chancellor, Manomaniam Sundaranar University, Tirunelveli. Prof. P.S. Bisen, Vice-Chancellor, Barkatullah University, Bhopal, Dr. H.C. Pandey, Vice-Chancellor Eminities, Birla Institute of Technology, Ranchi. Mrs. K. Namchom, Director of Education, Govt. of Arunachal Pradesh, Naharlagun, Shri N. Das, Director of Education, A & N Island, Port Blair, Prof. Abad Ahmed, Pro-Vice-Chancellor, University of Delhi, Shri S.K. Gupta, Chairman IPSC & Principal, Birla Vidyamandir, Nainital and Shri S.R. Dogra, Desk Officer(IFD), MHRD, New Delhi who were attending the meeting of the Board for the first time.

03. He also took this opportunity to express his gratefulness to all the outgoing members, especially Dr. D.D. Jadeja, Vice-Chancellor, Sardar Patel University, Vallabh Vidyanagar and Shri N.K. Ojha, Principal, Vidya Niketan, Birla Public School, Pilani for their valuable contributions in arriving at important decisions in the past.

04. The House then unanimously resolved that the valuable contributions made by the outgoing Members be placed on record.

05. In his introductory remarks, he apprised the Hon'ble Members of the various activities of the Board since its last meeting held on 27.09.1996. The Chairman drew attention of the House to emerging challenges in the field of secondary education. He said the period we were passing through was very hard. There was a rapid impact of globalisation in all the fields of our national development including School and higher education. Consumerism was taking deep roots and becoming the order of the day. In this changing scenario, the responsibilities of the teachers and the students had multiplied. They were required to acquire latest skills and competencies to perform their respective roles in the Society. He informed that the Board has striven hard to make significant progress in the field of academics, examinations and other administrative activities during the last one year which are as follows :

#### 06 CURRICULUM DEVELOPMENT

The curricula both at the Secondary & Senior School levels were updated and revised for 1999 Examinations. The updations were carried out on the basis of the feedback received from the schools to make the existing curricula more relevant, meaningful, coherent and homogeneous. The Committees of Courses in various subjects met at different points of time to examine the existing syllabi and to make modifications, updations when and where found necessary.

**7. Syllabi for Secondary/ Senior School Examinations**

The Syllabi for March 1999 Examinations were brought out in two volumes as usual and were made available on time. The Hindi version have also been got printed.

**8. CBSE-ELT Project**

As a part of on-going exercise, ELT Project was carried out with collaboration of British Council Division and Overseas Development Authority, U.K. The books for English Course A for Class IX were revised. The revision was carried out in the following books :-

- a. Main Course Book
- b. Literature Reader
- c. Work Book
- d. Teachers' Book

The Audio Cassettes were also updated.

The work is being carried out for Class X in order to make available the relevant materials much early for the next session.

The collaboration with British Council and ODA has ended on March 1997.

**9. Workshop in English Course A**

A workshop to update/revise the existing English Course A material for Class X was held in October 1996 at Gangtok for a period of three weeks. The additional inset workshops for providing better class-room interaction were held at the following places :-

- a. Doha-Qatar
- b. Ranchi, Bihar.
- c. Indian Central School, Kuwait
- d. M.E.S. Indian School, Doha-Qatar

**10. Revision of English Course B**

In order to keep parity with the approach to class-room teaching and evaluation, the subject of English Course B is also being revised and updated based on communicative approach. The revised material is ready and the Board is planning to have a series of Orientation Programmes for teachers shortly.

**11. Revised edition of Sanskrit**

Sanskrit Reader Bharti for Class X was revised and the revised edition has been made available to schools.

**12. New Text Book in Punjabi**

The new books in Punjabi 'Sahityik Deepika Part II' and 'Sahityik Vannagian Part II' were also got printed and made available to schools.

**13. Book on History of Indian Art**

A introductory book on History of Indian Art for Class XI covering the subjects of Painting, Fine Arts, Sculpture and

Graphics has been prepared by the Board to facilitate the students who are opting these subjects.

#### 14. Publication on Environment and Schools

In order to popularise environment education, and as a follow-up of the programme which was conducted by the Board in August 1996, a book on 'Environment and Schools' has also been published. Two orientation programmes for the development of 'Resource Persons' in environment education were conducted at Delhi and Chennai.

#### 15. Publication on Consumer Education

As a follow-up of the workshop on Consumer Education and Awareness conducted in 1996, the Board has brought out a book on Consumer Education and Awareness. The Board is also planning to have a series of workshops for teachers at the secondary school level to infuse in the minds of young students the need for quality and consumer awareness.

#### 16. Publication on Value Education

As a sequel to the workshop conducted at Bhartiya Vidya Bhavan in 1996, the Board has brought out a book on Value Education which will act as a resource material to schools for strengthening the concepts of value education in the class-room situation. Detailed specifications with regard to the objectives to be achieved at various levels have been listed. The Board is planning to conduct shortly orientation programmes for principals in collaboration with Bhartiya Vidya Bhawan and Modi Foundation.

#### 17. Computer Education

In order to provide user-friendly approach to the study of Computer Science and to provide supporting material to the teachers, the Board has published Teachers' Resource Material on C++ language. The Board has already conducted a few workshops to train the teachers on C++ and the same is being followed-up at various places shortly. A Book titled 'Quan Base' providing question bank, sample question papers and project work/activities to enrich the teachers and students has already been brought out by the Board.

#### 18. Performance Analysis in Commerce, Accountancy, Mathematics, History, Political Science and Geography

Performance analysis in Commerce, Accountancy, Mathematics, History, Political Science and Geography has been brought out in two volumes. This was done based on elaborate exercises of analysing sample of answer scripts of students drawn from different parts of the country. The objective of the above is to find commonalities of the errors, causes for such errors, remedial steps to be adopted. It is hoped this will act as a good feedback to the teachers in the class-room.

#### 19. Seminar on Business Education

A seminar on Business Education was conducted in December 1996 to focus the problems of teaching Business Studies. On the basis of the above a booklet titled 'Business Education in Schools - Trends and Prospects' was brought out by the Board.

More than 22 workshops of Additional Head Examiners were organised in different parts of the country, including Delhi.

## 20. Question Paper Analysis

The analysis of the question papers implemented in March 1997 examinations was carried out in the subjects of English Core, Hindi Core, Mathematics, Physics, Chemistry, Biology, Business Studies, Accountancy, History, Economics, Political Science and Geography for Class XII and in the subjects of English Course A, Hindi Course A, Mathematics, Sciences and Social Sciences for Class X. The elaborate exercise carried out with subject experts will be a feedback to the system of paper-setting and will help to update the existing patterns of paper-setting.

## 21. Generic Vocational Course

Generic Vocational Course which was developed by PSSCIVE, Bhopal in collaboration with CBSE was introduced in about 25 schools on experimental basis in 1997. The course content was designed to promote entrepreneurial qualities and a vocational input to the students following academic stream. A three days workshop for the principals was conducted at Chennai where nearly 50 principals attended the programme. A resource material for the teachers was also developed. The Board is planning to introduce this course in about 100 schools during current academic year.

## 22. Dissection in Biology

It has been decided that the existing provision for dissection of animals in Biology practicals for the students of Classes XI & XII be made optional and a commitment to this effect has been given by the Department of Education, MHRD to the Hon'ble High Court of Judicature, Delhi. The alternatives are being worked out in collaboration with NCERT.

## 23. Updations in French Syllabus

It has been decided to revise/update the existing French syllabus as the same has not been done for a long time. The French Embassy has agreed to provide the necessary support on similar lines to the ELT Project for updation of the syllabi, training of teachers and the publication of the textual material.

## 24. Visit of French Delegation

A French Delegation headed by Mr. Jacques Thierry, Inspecteur General and Councillor for the French Ministry of Education visited CBSE on 15.5.1997. It was proposed that the Board will identify the areas of collaboration in the field of vocational education where the French Govt. would be able to support the Board in terms of academic material, technology and teaching methods. The areas identified are :-

- a. Computer Science
- b. Fashion design and Fashion Technology
- c. Non-Conventional Energy
- d. Petro-Chemicals
- e. Food Processing
- f. Business Organisation

## 25. Mizo Language

The Board has agreed to introduce Mizo as one of the languages to be offered at the Secondary level from 1999 examinations.

**26. Adoption of CBSE Curriculum by Mizoram Board of School Education, Mizoram.**

A request was made by the Mizoram Board of School Education, Mizoram to adopt the CBSE curricula at the Secondary School level and the Board has granted necessary permission for the same.

**27. Sahodaya School Complexes**

The Fifth National Conference of the Sahodaya School Complexes was held at Amritsar from 1 to 3rd November, 1996. The conference was attended by over 100 principals focussed on Innovative Teaching Practices in Effective Learning.

**28. Conference of the Schools affiliated to CBSE in the Gulf.**

A conference of the Principals of the CBSE Schools in the Gulf was held in December 1996 at Delhi. Prof. P.N. Dave addressed the Principals. The theme of the conference was Education for Change in 21st Century.

**29. National Sports Meet**

The Board conducted the regional and national level sports meet after several years in 1996. The national meet was held at Moti Lal Nehru School of Sports, Rai from 20-22nd December, 1996. Shri P.R. Dasgupta, Secretary Education, Govt. of India presided over the national sports meet at Rai.

**30. Workshop for teachers at Sikkim**

A workshop for enrichment of teachers was held for two weeks at Sikkim. The programme was welcomed by the teachers.

**31. Road Safety Week**

The Board conducted Road Safety Week in collaboration with the Ministry of Surface Transport and Association of Private Schools, CBSE at Chennai from January 1 to 7, 1997. An exhaustive programme on Road Education was conducted and a book titled 'Operation Red Road' was released. The Board is planning to conduct Road Awareness programme at national level in collaboration with the Ministry of Surface Transport, Delhi.

**32. Examinations of the Board held in March, 1997.**

He informed that the Board conducted the Secondary and Senior Secondary Examinations in March, 1997 fairly and smoothly. By and large, the question papers in all the major subjects were very well taken by the student community as well as by the teaching community. However, one voluntary organisation, namely, Parents' Forum for Meaningful Education filed a Writ Petition in the Hon'ble High Court of Delhi pointing out certain alleged irregularities/mistakes in Physics, Chemistry and Mathematics question papers for Class XII & Maths question paper for Class X. The case is being heard by the Hon'ble High Court of Delhi. Results have since been declared. The system of conduct of practical examination in the first and second week of February which has been practised during 1996 and 1997 examinations, has been appreciated by all concerned and, therefore, the Board proposes to continue with the same system in future.

With a view to improve the quality of assessment it was for the first time in an examination that the marking scheme in

all the major subjects were printed in book form and discussed at length by the concerned Head Examinees at the nodal centres and pretesting was conducted. The printing errors or any other ambiguity in the marking scheme were corrected then and there before the start of the actual evaluation. This effort of the Board was widely acclaimed by the teaching community. The marking scheme for the major subjects have been published by the Board as a priced publication so that the students and the teaching community at large may have the actual idea of the marking scheme. Furthermore, the system will expose the subject teachers and the students to the scientific procedure of marking devised by the Board. The main purpose of issuing a priced publication of the marking scheme is to encourage the institutions affiliated to the Board to develop such marking schemes for the school examinations of other classes.

The Compartmental Examination of the Board is scheduled to be held on 5th August, 1997. Thereafter, preparations for the examinations to be held in 1998 would be set in motion. He stated that with the support of the institutions affiliated with the Board and other sister organisations, the Board will be able to maintain not only the sanctity of examinations, but also enhance its credibility.

**33. All India Pre-Dental/Pre-Medical Entrance Examination held in May, 1997.**

Pursuant to the directions of the Apex Court, CBSE has been conducting All India Pre-Medical/Pre-Dental Entrance Examination since 1987. This year 1,61,864 candidates were registered. The examination was conducted smoothly and the results were declared well in time. Keeping in view some complaints, the Inspection Teams for the Centres at Lucknow, Calcutta, Patna and Chandigarh were strengthened and additional personnel were deployed to ensure free and fair conduct of examination.

Besides the above mentioned examination, the Board conducted the Medical Entrance Examination for the Manipal Academy of Higher Education also and the result was handed over to the concerned institution on time.

**34. Affiliation**

The number of affiliated institutions are increasing day-by-day and inspite of the fact that the Board has imposed stringent conditions for affiliation quite a large number of applications are being received every year from different schools all over the country. During the last one year about 250 schools have been added to this large family of the Board and the number of affiliated schools has risen to 4800 till date. A number of steps have been taken to streamline the system of affiliation and to make the working of affiliation satisfactory and time bound. In this direction detailed guidelines are issued for the Inspection Committees from time to time thereby making the Inspection Committees more responsive and committed. The Board does not hesitate in taking stringent action against the Schools who are found to be violating the conditions of affiliation. The Board is keeping constant vigil on the academic standards of the affiliated institutions and thus, it has been able to sustain and maintain the academic standards to a large extent. The Board is going to undertake a



massive project of MIS to help and corroborate for quality improvement to be promptly informative and responsive.

**35. Administration**

With the rapid increase in the affiliated institutions, the number of students and other personnel, the role of administration is also becoming increasing complex. In order to up-date the administrative skills of the officers of the Board, training programmes were organised this year for all Section Officers, Desk Officers and Assistant Secretaries of the Board with the help of Indian Institute of Public Administration and Mahatma Gandhi Institute of Integrated Rural Energy Planning & Development. A few other officers were also sent for inservice training in the Institute of Secretariat Training and Management, Ministry of Home Affairs, Govt. of India for its various courses relating to Personnel Management, Reservation in Services, Accounts and Finance etc. in the day-to-day functioning. Besides, the Board is making all out efforts to rationalise some important functions of the Board, like transfer policy, removal of anomaly in the pay scales of ex-cadhe posts in the Board, etc.

**36. Legal Cases**

He informed that on account of increase in the number of affiliated institutions the legal cases have also increased manifold in the recent past. The Board has been able to defend its policy and its bye-laws in most of the cases successfully. However, a workshop is organised every year of all those officers/officials who are dealing with the legal cases in the Regional Offices with a view to rationalise the role of Regional Officers in this field. But, it may be submitted that improvement in Administration, Accounts & Finance and other spheres is a continuous process and the Board is endeavouring all the time to improve

**37. Interaction with outside agencies.**

He informed that the CBSE is actively involved in various Committees constituted by the Govt. of India, MHRD, NCERT, National Council of Teachers Training, Delhi Govt. etc. and is contributing its views through the Chairman, Secretary, Director(Acad.) and the Controller of Exams.

**38. Innovations and Updatons**

The Chairman informed the House that the Board was striving towards optimisation of productivity and with this end in view imparting training in latest technuques to its staff. It was also taking steps to sensitise its staff to the aspirations of the public so that it may register greater cordiality and efficiency in the discharge of its duties. He further informed that the Board had strengthened its resources of income by means of fresh enterprises such as taking royalty on Question Papers, conduct of PMT Examination for Manipal etc. The Board had also resorted to austerity measures and economising in its day to day expenses.

39. With these observations, the Chairman expressed his sincere thanks to the members who were kind enough to spare their valuable time to attend this meeting. He also expressed his thanks to Shri H.R. Sharma, Dr. K.D. Sharma, Shri S.C. Gupta, Shri G. Balasubramanian, Shri H.R. Gupta and all colleagues for extending full cooperation to him.

40. At the conclusion of the Chairman's observations, it was resolved that the report of the activities undertaken by the Board in the last meeting of the Governing Body may be placed on record.

41. Thereafter, the Items of the Agenda were taken up :

**ITEM I TO CONFIRM THE MINUTES OF THE MEETING OF THE GOVERNING BODY OF THE BOARD HELD ON 27TH SEPTEMBER, 1996.**

Resolved that the minutes of the Governing Body of the Board held on 27th September, 1996 be confirmed.

**ITEM II TO RECEIVE A REPORT ON THE FOLLOW UP ACTION TAKEN ON THE MINUTES OF THE LAST MEETING OF THE GOVERNING BODY.**

Resolved that the report on the follow up action taken on the minutes of the last meeting of the Governing Body held on 27th September, 1996 be recorded. It was further resolved that the action taken by the Board to conduct Class XII practical examination in the month of February, 1996 be continued.

**ITEM III TO CONSIDER THE RECOMMENDATIONS MADE BY THE ADVISORY COMMITTEE FOR THE ALL INDIA PRE-MEDICAL/PRE-DENTAL ENTRANCE EXAMINATIONS HELD ON 03.10.1996**

Resolved that the recommendations made by the Advisory Committee for the All India Pre-Medical/Pre-Dental examination held on October, 1996 be approved.

**ITEM IV TO CONSIDER THE RECOMMENDATIONS MADE BY THE EXAMINATION COMMITTEE AT ITS MEETING HELD ON 5TH MARCH, 1997.**

Resolved that the recommendations made by the Examination Committee at its meeting held on 5th March, 1997 be approved subject to the following:

(i) The House noted that there was a variation between the examination fee paid by the All-India scheme and Delhi Scheme candidates. It was, therefore, decided that the Chairman may set up a Committee consisting of representatives from various organisations to look into the matter. It was suggested by some members that being a national Board, the CBSE should charge a uniform fee from all the candidates. However, for 1998 and 1999 examinations, the fees as recommended by the Examination Committee, Affiliation Committee and the Finance Committee were approved, and

(ii) Further resolved that the remuneration for examining the theory answer books in Class XII be revised from Rs.3.50 to Rs.4.50 instead of Rs.4.45. Also the rates payable to Class IV staff under category delivery of question papers be brought to Rs.29/ at par with that prescribed under the spot evaluation.

**ITEM V TO CONSIDER THE RECOMMENDATIONS MADE BY THE AFFILIATION COMMITTEE AT ITS MEETING HELD ON 20TH MARCH, 1997.**

Resolved that the recommendations made by the Affiliation Committee at its meeting held on 20th March, 1997 be approved subject to the following:

i) With regard to Item No.IV i.e. violation of various norms of affiliation, it was decided that the Board may take stringent action against such schools as violate the norms of affiliation by breach of contract, under payment of salaries, levying of high fees and voluntary donations and other procedural lapses. It was further decided that periodical inspections of private schools be conducted more frequently to keep a vigil on their functioning; and ii) with regard to Item No.VII regarding raising the limit of reserve fund, it was resolved that the interest accruing out of the deposits of reserve fund made by the institution at the time of affiliation/extension of affiliation be not withdrawn by the Management and shall be re-deposited so that the deposited fund would rise under the head 'Reserve Fund' substantially to protect the interest of the staff of the school.

**ITEM VI TO CONSIDER THE RECOMMENDATIONS OF THE FINANCE COMMITTEE AT ITS MEETING HELD ON 15TH APRIL, 1997.**

Resolved that the recommendations of the Finance Committee at its meeting held on 15th April, 1997 be approved subject to the following :

i) With regard to Item No.IV regarding award of two advance increments to the Section Officers, it was pointed out that as the matter was also under active consideration of Delhi University, the same may be taken up as and when decision is taken by them or similar autonomous organisations under the Government of India; ii) With regard to Item No.XI, the Governing Body took note of the correspondence and approved the recommendations of the Finance Committee pertaining to the proposals for time bound promotion; iii) With regard to Item No.XVI regarding removal of anomaly/anomalies in the pay scales of ex-cadre posts, the House was informed that anomalies in the pay scales of regular officers/officials of the Board were removed in August, 1995. However, the cases of officers/officials of ex-cadre posts were under review by a sub-committee and its report was awaited. Resolved that the sub-committee be requested to submit its report at the earliest and the Chairman be authorised to take appropriate decision in the matter.

**ITEM VII TO CONSIDER THE MINUTES OF THE EMERGENT MEETING OF THE AFFILIATION COMMITTEE HELD ON 21ST JULY, 1997**

Resolved that the minutes of the emergent meeting of the Affiliation Committee held on 21st July, 1997 be approved.

**ITEM VIII TO CONSIDER THE MINUTES OF THE MEETING OF THE CURRICULUM COMMITTEE HELD ON 21.07.1997**

Resolved that the minutes of the meeting of the Curriculum Committee held on 21.7.97 be approved.

**ITEM IX TO CONSIDER THE RECOMMENDATIONS OF THE SPECIAL SPORTS COMMITTEE WITH REGARD TO RAISING FUNDS FOR THE NEW ACTIVITY OF INTER-SCHOOL SPORTS COMPETITIONS.**

Resolved that the recommendations made by the Special Sports Committee with regard to raising funds for the new activity of Inter-School Sports Competitions be approved.

**ITEM X TO RECEIVE REPORT OF THE RESULTS DECLARED BY THE BOARD FOR THE EXAMINATIONS HELD IN MARCH/MAY, 1997.**

Resolved that the report of the results declared by the Board for the examinations held in March/May, 1997 be recorded.

The meeting then ended with a vote of thanks to the Chair

  
(S.C. GUPTA )  
SECRETARY

  
(B.P. KHANDELWAL)  
CHAIRMAN

The following Members attended the meeting :

01. Prof. B.P. Khandelwal,  
Chairman,  
CBSE, Delhi.
02. Smt. Arti Kant,  
Director (SE),  
Govt. of India,  
Ministry of Human Resource  
Development,  
Department of Education,  
Shastri Bhawan,  
NEW DELHI-110001.
03. Dr. (Smt.) V. Vasanthi Devi,  
Vice-Chancellor,  
Manomaniam Sundaranar University,  
Triunelveli,  
Tamil Nadu.
04. Prof. P.S. Bisen,  
Vice-Chancellor,  
Barkatullah University,  
Bhopal.
05. Dr. H.C. Pandey,  
Vice-Chancellor,  
Birla Institute of Technology,  
Ranchi.
06. Mrs. K. Namchoom,  
Director of Education,  
Govt. of Arunachal Pradesh,  
Naharlagun.
07. Shri N. Das,  
Director of Education,  
A & N Island,  
Port Blair.
08. Prof. Abad Ahmed,  
Pro-Vice-Chancellor,  
University of Delhi,  
Delhi.
09. Prof. S.S. Rana,  
Dean of Colleges  
Delhi University,  
Delhi.
10. Shri N.S. Tolia,  
Addl. D.E. (Wel. & Sch.),  
Directorate of Education,  
Govt. of NCT of Delhi,  
Delhi.
11. Shri S.R. Dogra,  
Desk Officer (IFD),  
Ministry of Human Resource  
Development,  
Department of Education,  
New Delhi.

Nominee from MHRD

- 12. Shri P.C. Bose,  
D.D.E. (Text Books) &  
Managing Director,  
Delhi Bureau of Text Books,  
New Delhi.
- 13. Shri S.K. Gupta,  
Chairman IPSC & Principal,  
Birla Vidyamandir,  
Nainital.
- 14. Km. Chandra Ganguli,  
Principal,  
Mamta Modern School,  
H-Block, Vikaspuri,  
New Delhi.
- 15. Shri S.B. Katara,  
Principal,  
Govt. Sarvodaya Boys Sec. School,  
Mayur Vihar, Phase-I,  
Delhi.
- 16. Shri V.M. Arya,  
Principal,  
Govt. Boys Sr. Sc. School,  
D Block, Ashok Vihar,  
Delhi-110052.
- 17. Shri V.P. Singh,  
Principal,  
Sarvodaya Bal Vidyalaya,  
Kanti Nagar,  
Delhi-51.
- 18. Shri S.C. Gupta,  
Secretary, C.B.S.E.

The following officers attended the meeting as special invitees :

- 01. Shri G. Balasubramanian,  
Director (Acad.),  
C.B.S.E., Delhi.
- 02. Shri H.R. Gupta,  
Controller of Exams. (P&P),  
C.B.S.E., Delhi.

The following Members had show their inability to attend the meeting :

- 01. Shri D. Tshering,  
Secretary-cum-Director  
of Education,  
Govt. of Sikkim,  
New Sectt.,  
Gangtok-737101.
- 02. Shri F. Fanthome,  
Secretary,  
Council for the Indian School  
Certificate Examination,  
Pragati House, Nehru Place,  
New Delhi-110019.

03. Dr. V.S. Patel,  
Vice-Chancellor,  
Sardar Patel University,  
Vallabh Vidyanagar.
04. Dr. A. Gnanam,  
Vice-Chancellor,  
Pondicherry University,  
Pondicherry.
05. Prof. N.C. Nigam,  
Vice-Chancellor,  
University of Roorkee,  
Roorkee.
06. Dr. S. Venkateshwaran,  
Director,  
Birla Institute of Technology  
& Science,  
Pilani.
07. Prof. (Km.) Sushila Vyas,  
Director,  
Banasthali Vidyapeeth,  
Banasthali.
08. Prof. Krishan Kumar,  
Deptt. of Education,  
University of Delhi,  
Delhi.
09. Smt. (Dr.) Satbir Silas,  
Director of Education,  
Directorate of Education,  
Govt. of NCT of Delhi,  
Old Sectt., Delhi.
10. Shri Mohan Francis,  
D.F.A.,  
MHRD, Deptt. of Education,  
Shastri Bhawan,  
New Delhi.
11. Shri Sohan Lal,  
D.P.I. Schools, Sector-9,  
U.T. Sectt.,  
Chandigarh.
12. Shri M.V. Prasad,  
Principal,  
Daly College,  
Indore.
13. Dr. P.H.S. Rao,  
J.E.A. (Sch.)  
MHRD, Deptt. of Education,  
Shastri Bhawan,  
New Delhi.
14. Dr. K.D. Sharma, Special Invitee  
Controller of Exams,  
C.B.S.E., Delhi.

The following officers of the Board were in attendance :

01. Shri B.R. Gupta,  
Joint Secretary (Coord.)

02. Shri A.D. Sachdev,  
Joint Secretary(ROD)
03. Shri N.N. Mathur,  
Joint Secretary(Secret)
04. Shri B.M. Gupta,  
Head(CC)
05. Shri D.K. Srivastava,  
I.A.F.A.
06. Shri Shashi Bhushan,  
Deputy Secretary(V&A)