



PART-III
SUMMARY



SUMMARY

Delhi Region

Question Paper Code 30/1/1

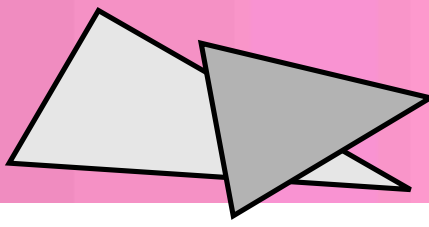
Topic wise statistical summary of students performance

Real Numbers

S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
1	1	66	32	–	–	–	34	0.51	51
16	3	96	12	3	17	18	46	2.02	67

Algebra

S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
2	1	92	27	–	–	–	65	0.71	71
3	1	87	39	–	–	–	48	0.55	55
4	1	81	28	–	–	–	53	0.65	65
11	2	89	34	2	7	6	40	1.09	55
17	3	77	11	10	12	6	38	1.90	63
18	3	88	8	7	20	15	38	1.90	63
19	3	78	20	12	13	2	31	1.5	50
*26(i)	6	77	12	15	16	8	26	3.12	52
(ii)	6	71	18	8	4	2	39	3.58	60



Performance Analysis of Students in Mathematics

Geometry

S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
6	1	76	55	–	–	–	21	0.27	27
7	1	18	18	–	–	–	52	0.74	74
*14(i)	2	51	20	5	7	2	17	0.92	46
(ii)	2	57	30	4	6	3	14	0.72	36
22	3	93	5	4	18	6	60	2.29	76
*23(i)	3	50	25	1	5	2	17	1.2	40
(ii)	3	33	24	2	0	2	5	0.57	19
28	6	89	2	2	15	47	23	4.0	67

Trigonometry

S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
5	1	75	31	–	–	–	44	0.59	59
12	2	79	11	8	10	10	40	1.38	69
*20	3	56	15	3	10	0	28	1.75	58
16	3	54	17	2	6	5	24	1.62	54
27	6	94	10	8	7	10	59	4.3	72



Co-ordinate Geometry:

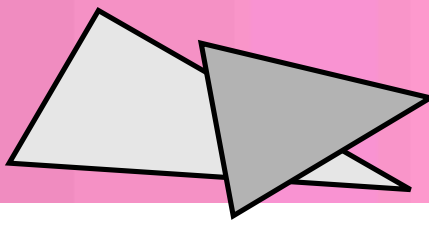
S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
13	2	93	27	1	22	3	40	1.15	57
21	3	64	19	3	4	4	34	1.7	57
24	3	85	22	2	11	5	45	1.85	61

Mensuration

S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
8	1	62	30	–	–	–	32	0.51	51
25(i)	3	67	33	0	0	34	0	1	33
(ii)	–	98	5	3	14	3	73	2.36	78
29(i)	6	40	4	8	12	4	12	3.15	52
(ii)	–	83	10	8	19	17	29	3.55	59

Statistics and Probability

S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
9	1	59	14	–	–	–	45	0.76	76
10	1	86	22	–	–	–	64	0.74	74
15	2	95	13	0	17	2	63	1.54	77
30	6	99	3	1	23	24	48	4.35	72



Performance Analysis of Students in Mathematics

Real Numbers

Both the questions of this unit were from rational and irrational numbers. The performance was average with mean score ranging between 51% to 67%.

Algebra

The lowest performance has been in Q. No. 19 on arithmetic progression which was attempted by 78% of the students and the mean score was 50%.

In all other questions the performance was average with mean score between 55% to 65%.

The best performance was in Q. No. 2 which was attempted by 92% of the students and the mean score was 71%.

Goemetry :

This unit is considered difficult by most of the students.

Q. No. 23(ii) and Q. No. 6, were from similar triangles and mean score of the students has been the lowest, i.e., 19% and 27% respectively.

Q. No. 7 on the application of Pythagoras theorem and Q. No. 22 on constructing a similar triangle, were the questions with best performance with mean score 74% and 76% respectively but overall, performance in Geometry was not very good.

Trigonometry

Q. No. 27 on heights and distances was attempted by 94% of the students and the performance was the best with mean score as 72%.

In all other questions also, the proformance was quite satisfactory.

Coordinate Geometry

Though, this unit is very much liked by the students but performance in all the three questions was average with mean score between 57% to 61%.

In Q. No. 21 and Q. No. 24, the language of the question was not well understood by most of the students.



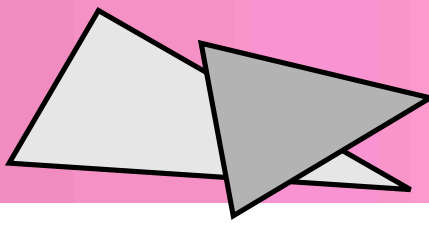
Mensuration

The best performance in this unit was in Q. No. 25 (ii) which was attempted by 98% of the students and the mean score was 78%. The first part of the same question was attempted by only 67% of the students and the performance was poor with mean score of 33%.

The performance in other questions was average with mean score between 52% to 59%.

Statistics and Probability

This topic was liked by many students and most of them scored good marks with mean score of 72% to 77%. Question on Probability was the one with best performance with mean score 77%.



SUMMARY

**Outside Delhi Region
Question Paper Code 30/1**

Topic wise statistical summary of students performance

Algebra

S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
2	1	92	21	–	–	–	71	0.77	77
3	1	94	29	–	–	–	65	0.69	69
4	1	91	49	–	–	–	42	0.46	46
11	2	90	26	5	22	4	33	1.07	53.5
18	3	90	18	5	18	4	45	1.83	61
*19	3	67	14	10	15	5	23	1.4	47
	3	92	26	3	17	1	45	1.7	57
*26	6	75	25	12	8	2	28	28	47
	6	50	18	7	0	2	23	3.0	50

Real Numbers

S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
1	1	84	43	–	–	–	41	0.49	49
16	3	94	7	5	17	5	60	2.2	73
17	3	93	6	1	7	8	71	2.4	80

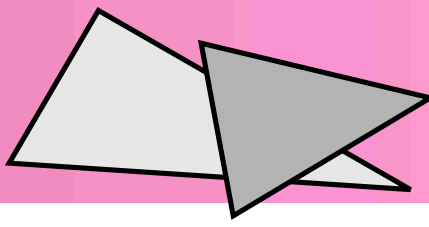


Statistics and Probability

S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
9	1	94	25	–	–	–	69	0.73	73
10	1	90	50	–	–	–	40	0.44	44
15	2	91	48	8	8	2	25	0.71	35
30	6	97	5	11	16	22	43	4.1	68

Trigonometry

S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
7	1	89	26	–	–	–	63	0.71	71
13	2	87	16	5	11	5	50	1.4	70
*20	3	77	7	–	5	3	62	1.8	60
	3	43	20	–	17	3	3	0.8	27
29	6	85	22	14	13	13	23	2.7	45



Performance Analysis of Students in Mathematics

Mensuration

S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
8	1	87	48	–	–	–	39	0.45	45
23	3	87	12	7	25	12	31	1.7	57
28	6	89	19	10	14	14	32	2.6	43

Co-ordinate Geometry:

S.No. of Question	Total Marks	No. of students attempting	Number of students getting marks					Mean score	% mean score
			0	1-25%	26-50%	51-75%	76-100%		
*14	2	94	6	–	20	6	62	1.1	55
–	2	94	18	6	20	2	48	1.03	51
21	3	89	18	4	12	4	51	2.0	67
22	3	86	30	7	12	6	31	1.4	47

Algebra:

In this unit, the best performance was in Q. No. 2 and 3, with mean score of 77% and 69% respectively. More than 92% of the students attempted these questions. Q. No. 18 on arithmetic progression was also attempted by 90% students and the mean score was 61%. The poorest performance was in Q. No. 4, Q. No. 19 (1st part) and Q. No. 26 (1st part) where the mean score was just 46-47%.

In all other questions, the performance of students was average with mean score ranging from 50% to 60%.

Real Numbers

The lowest performance of students on the topic of real-numbers was in Q. No. 1, for which the mean score was 49%. The question was on writing a rational number between two irrationals and out of 84 students who attempted this question, 43 could not score any marks.



However, the performance in other two questions on this topic, was good with mean score 73% and 80% respectively.

Goemetry :

The best performance was in Q. No. 27 on similar triangles with mean score 71%. In both options of this question a theorem was to be proved and 82% students attempted this question.

The poorest performance was in Q. No. 5, which was also on similar triangles, using mid point theorem. Though 91% students attempted this question, only 43% attempted correctly. In Q. No. 12 also, the performance was not good with mean score 45%

In other questions, the performance was average with mean score between 55% and 68%.

Statistics and Probability

Q. No. 15 on probability of this unit was attempted by 91% of the students but the proformance in this question was very poor with mean score 35% only. In Q. No. 10 on statistics also the performance was not good with mean score 44%.

Trigonometry.

In Q. No. 20, on proving the trigonometric identity, the 2nd part was attempted by only 43% students and the mean score was only 27%, the lowest among all the questions in the papor.

Q. No. 29, on heights and distances was attempted by 85% of the students but the performance was not good with mean score only 45%.

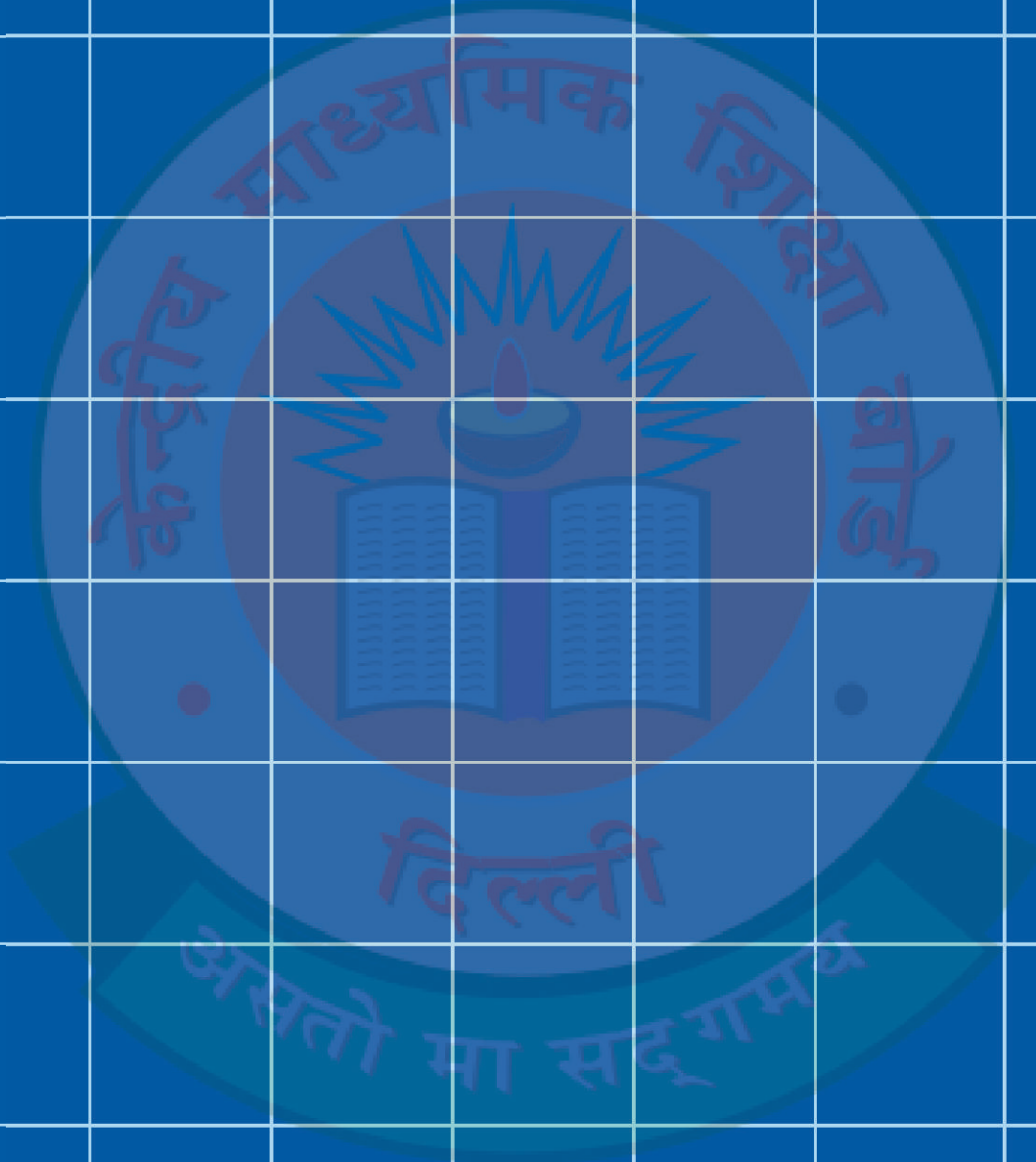
The performance in other questions was satisfactory with mean score ranging between 60% and 71%.

Mensuration

The performance in all the three questions in this unit was not very good with mean score ranging between 43% and 57%. This unit is generally considered difficult by the students, as it involves more computations.

Co-ordinate Geometry

This unit is generally considered easier by the students. In Q. 22 on section formula, most of the students committed errors and so the average score was 47%. In other questions, the performance was average with mean score ranging between 51% and 67%.



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