

GOA BOARD OF SECONDARY AND HIGHER SECONDARY EDUCATION
ALTO BETIM GOA 403 521
DESIGN OF THE QUESTION PAPER - 2015
Class: XII COMMERCE

Time :2 ½ Hrs. Subject : Mathematics & Statistics Max Marks: 80

The weightage or the distribution of marks over different dimensions of the question paper shall be as follows:

1. Weightage to Learning Outcomes

S.No.	Learning Outcomes	Marks	Percentage of Marks
1	Knowledge	20	25.00%
2	Understanding	36	45.00%
3	Application & Analysis	20	25.00%
4	Skill	4	5.00%
	Total:	80	100%

2. Weightage to Content / Subject Units

S.No.	Units	Marks
1	Relations and Functions	4
2	Matrices	6
3	Determinants	6
4	Continuity and Derivatives	12
5	Intergration	12
6	Differential Equations	6
7	Linear Programming	6
8	Probability	6
9	Bill of Exchange	5
10	Partnership	6
11	Annuity	6
12	Application of Calculus in Commerce	5
	Total :-	80

3. Weightage to Forms of Questions

S.No.	Form of Questions	Marks for each question	Number of questions	Total Marks
1	Very Short Answer Type (VSA)	1	7	7
2	Short Answer Type (SA-I)	2	7	14
3	Short Answer Type (SA-II)	3	7	21
4	Long Answer Type (LA-I)	4	7	28
5	Long Answer Type (LA-II)	5	2	10
	Total		30	80

The expected time for different type of question would be as follows:

S.No.	Form of Questions	Approx time for each question in mins (t)	Number of questions (n)	Approx. time for each form of questions in mins (t x n)
1	Very Short Answer Type (VSA)	2	7	14
2	Short Answer Type (SA -I)	3	7	21
3	Short Answer Type (SA-II)	5	7	35
4	Long Answer Type (LA-I)	8	7	56
5	Long Answer Type (LA-II)	10	2	20
	Total			146 mins.

As the total time is calculated on the basis of the number of questions required to be answered and the length of their anticipated answers, it would, therefore be advisable for the candidate to budget their time properly by cutting out the superfluous words and be within the expected time limits.

4. Scheme of Options

(There will be no overall choice. However, there is an internal choice in 01 sub questions of 04 marks category and 2 subquestion of 5 marks category and subquestion of --- marks category).

5. Weigthage to Difficulty level of questions:

S. No.	Estimated difficulty level of questions	Percentage
1	Easy	20%
2	Average	60%
3	Difficulty	20%

A question may vary in difficulty level from individual to individual. As such, the assessment in respect of each question will be made by the paper setter on the basis of general anticipation from the group as a whole taking the examination. This provision is only to make the paper balanced in its weigthage, rather than to determine the pattern of marking at any stage.

6. Number of Main Questions :

There will be 05 main questions of 10 marks each and 02 questions of 15 marks each.

7. 6 – 8 % theory is to be included. (only definitions and Statements of theorem)

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