

# DESIGN OF QUESTION PAPER

Subject : **STATISTICS**

Class : XI

Full Mark : 100

Time : 3 Hours

<b>I</b>	<b>WEIGHTAGE TO OBJECTIVES</b>					
	<b>Objectives</b>			<b>Marks</b>	<b>Percentage</b>	
	Knowledge(K)			25	25	
	Understanding (U)			55	55	
	Application (A)			15	15	
	Skill (S)			5	5	
<b>Total :</b>			<b>100</b>	<b>100</b>		
<b>II</b>	<b>WEIGHTAGE TO FORM OF QUESTIONS:</b>					
	<b>Form of Questions</b>		<b>No. of Question</b>	<b>Time (in minute)</b>	<b>Marks</b>	<b>Percentage</b>
	Essay/Long Answer (E/LA)		6	72	36	36
	Short Answer (SA-I)		8	56	32	32
	Short Answer (SA-II)		9	30	18	18
	Very Short Answer (VSA)		10	16	10	10
	MCQ		4	6	4	4
	<b>Total:</b>		<b>37</b>	<b>180</b>	<b>100</b>	<b>100</b>
<b>III</b>	<b>WEIGHTAGE TO CONTENT:</b>					
	<b>UNIT/CONTENTS</b>				<b>Marks</b>	
	1	Mathematical Preliminaries			20	
	2	Descriptive statistics			20	
	3	Correlation and Regression			15	
	4	Index Number			20	
	5	Method of Least Squares with curve fitting and Time Series			15	
	6	Sample Survey			10	
<b>Total :</b>				<b>100</b>		
<b>IV</b>	<b>SCHEME OF SECTIONS :</b> Nil					
<b>V</b>	<b>SCHEME OF OPTIONS :</b> Internal option may be given in LA Type of Questions only.					
<b>VI</b>	<b>DIFFICULTY LEVEL :</b>					
	Difficulty	:	20%			
	Average	:	50%			
	Easy	:	30%			

Abbreviation : K(Knowledge), U(Understanding), A(Application), S(Skill), E(Essay Type),  
SA(Short Answer Type), VSA(Very Short Answer Type), MCQ(Multiple Choice Question)

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<b>I</b>	<b>Objectives</b>			<b>Marks</b>	<b>Percentage</b>	
	Knowledge(K)			25	25	
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	Skill (S)			5	5	
	<b>Total :</b>			<b>100</b>	<b>100</b>	
<b>WEIGHTAGE TO FORM OF QUESTIONS:</b>						
<b>II</b>	<b>Form of Questions</b>	<b>No. of Question</b>	<b>Time (in minute)</b>	<b>Marks</b>	<b>Percentage</b>	
	Essay/Long Answer (E/LA)		6	72	36	36
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	MCQ		4	6	4	4
	<b>Total:</b>		<b>37</b>	<b>180</b>	<b>100</b>	<b>100</b>
	<b>WEIGHTAGE TO CONTENT:</b>					
<b>UNIT/CONTENTS</b>				<b>Marks</b>		
1	Probability and Expectation			20		
2	(i)	Finite difference and Interpolation		15		
	(ii)	Numerical Integration		10		
3	Standard Distributions			10		
4	Theory of Attributes			15		
5	Theory of Estimation and Testing of Hypothesis			15		
6	Vital Statistics			15		
<b>Total :</b>				<b>100</b>		
<b>IV</b>	<b>SCHEME OF SECTIONS :</b> Nil					
<b>V</b>	<b>SCHEME OF OPTIONS :</b> Internal option may be given in LA type of Questions only.					
<b>VI</b>	<b>DIFFICULTY LEVEL :</b>					
	Difficulty	:	20%			
	Average	:	50%			
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