

DESIGN OF QUESTION PAPER

Subject : PHYSICS
Unit/Paper : Theory
Class : XI
Time : 3 Hours
Full Marks : 70

Essay/Long Answer (E/LA)	3	60	15	21
Short Answer (SA-I)	7	42	21	30
Short Answer (SA-II)	10	40	20	29
Very Short Answer (VSA)	10	30	10	14
MCQ	4	8	4	6
Total:	34	180 m	70	100

	WEIGHTAGE TO OBJECTIVE					
	Objectives		Marks	Percentage		
I	Knowledge (K)		14	20		
	Understanding (U)	Physical World and Measurement	28	40	5	
	Application (A)	Kinematics	28	10	14	
	Skill (S)	Laws of Motion		10	14	
	Total: Work, Energy and Power		70	100	9	
II	WEIGHTAGE TO FORM OF QUESTIONS				9	
	Form of Questions		No. of question	Time (in minute)	Marks	Percentage
	Gravitation				05	7
	Properties of Bulk Matter				10	14
	Thermodynamics				05	7
	Behaviors of Perfect Gas and Kinetics Theory				05	7
	Oscillations and Waves				10	14
Total:				70	100	
III	WEIGHTAGE TO CONTENT:					
	CONTENTS		Marks	Percentage		
	1.					
	2.					
	3. Abbreviation : K (Knowledge), U (Understanding), A (Application), S (Skill), E (Essay Type),					
	4. SA (Short Answer Type), VSA (Very Short Answer Type), O (Objective Type), MCQ					
	5. (Multiple Choice Question).					
	6.					
	7. ★★★★★★					
	8.					
9.						
10.						
IV	SCHEME OF SECTIONS : NIL					
V	SCHEME OF OPTIONS : Internal option may be given in Essay Type Question only.					

DESIGN OF QUESTION PAPER

Subject : PHYSICS
Paper : Practical
Class : XI
Full Marks : 30
Time : 3 Hours

Sl. No.	Forms of exercise	Nature of Exercise	Skill/Objective to be tested					Marks Allotted	Estimated Time in Minute
			O.S.	M.S.	D.S.	R.S.	R.U.		
1.	Short	Theory (Principle/ working formula/ illustration diagrams	0	0	1/0	3/4	0	4	40
2.	Short	Setting of instruments and using it.	0	2	0	0	2	4	20
3.	Major Experiment	Experimental procedure, tabulation, etc.	2	2	0	0	0	4	100
4.	Short	Reading of measurement	2	0	0	2	0	4	20
5.	Short	Viva-Voce	0	0	0	0	4	4	X
6.	Sessional Record	Practical Note Book	1	1	1	1	1	5	X
7.	Sessional Record	Record of one activity	1	1	1	1	1	5	X
Total			6	6	3/2	7/8	8	30	180

O.S.= Observational Skill, M.S.=Manipulative Skill, D.S. = Drawing Skill, R.S.= Reporting Skill, R.U.= Related Understandings.

* No fixed time is allotted for viva-voce. It is to be conducted during the course of the experiment.

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