

PHYSICS
Class - XI

Topicwise Distribution of Marks		Category of Marks				Total Marks
		1	2	4	6	
Mechanics and Properties of Matter–I (Physical world and Measurement , Particle Dynamics ,Static, Work, Energy and power , Elastic properties of Matter, Hydrostatics and Fluid Mechanics)	32					32
Heat and Thermodynamics – I (Temperature, Thermal Expansion , Calorimetry and Change of State , Transmission of Heat)	12					12
Vibrations	6					6
Geometrical optics (Reflection at curved surface, Refraction of Light, Prism, Thin Lenses , Optical Instruments and Human Eye)	16					16
Current Electricity – I (Secondary Cell , Ohm’s Law and Resistance)	8					8
Modern Physics – I	6					6
	80					80
Total No of Questions		10	7	11	2	

Question Structure

1. Group - A

1 x 10 = 10

- i
- ii
- iii
- iv
- v
- vi
- vii
- viii
- ix
- x

Four more questions will be offered as alternative from the same chapter / topic to any of the four questions mentioned above (Category: Multiple Choice of Four Options / True or False / Yes or No / One word answer / Fill in the Blanks)

2. Group – B

2 x 7 = 14

- i
- ii
- iii
- iv
- v
- vi
- vii

Four more questions will be offered as alternative from the same chapter / topic to any of the four questions mentioned above

3. Group – C

4 x 11 = 44

- i
- ii
- iii
- iv
- v
- vi
- vii
- viii
- ix
- x
- xi

Nine more questions will be offered as alternative from the same chapter / topic to any of the nine questions mentioned above

4. Group – D

6 x 2 = 12

- i
- ii

Two more questions will be offered as alternative from the same chapter / topic for the two questions mentioned above

PHYSICS
Class - XII

Topicwise Distribution Of Marks		Category of Marks				Total Marks
		1	2	4	6	
Mechanics and Properties of MatterII (Dynamics of Rotational Motion, Gravitation)	10					10
Heat and Thermodynamics – II (Thermodynamics, Kinetic Theory of Gases)	10					10
Waves and Physical Optics	16					16
Electrostatics (Introduction, Electrostatic Field and Electrical Potential, Capacitance and capacitors)	12					12
Current Electricity – II (Heating effect of Current, Electromagnetism I, Electromagnetism II, Alternating Current)	20					20
Modern Physics – II (Electromagnetic Waves, Semiconductors & Electronics, Quantum Theory)	12					12
	80					80
Total No of Questions		10	7	11	2	

Question Structure

1. Group - A

1 x 10 = 10

- i
- ii
- iii
- iv
- v
- vi
- vii
- viii
- ix
- x

Four more questions will be offered as alternative from the same chapter / topic to any of the four questions mentioned above (Category: Multiple Choice of Four Options / True or False / Yes or No / One word answer / Fill in the Blanks)

2. Group – B

2 x 7 = 14

- i
- ii
- iii
- iv
- v
- vi
- vii

Four more questions will be offered as alternative from the same chapter / topic to any of the four questions mentioned above

3. Group – C

4 x 11 = 44

- i
- ii
- iii
- iv
- v
- vi
- vii
- viii
- ix
- x
- xi

Nine more questions will be offered as alternative from the same chapter / topic to any of the nine questions mentioned above

4. Group – D

6 x 2 = 12

- i
- ii

Two more questions will be offered as alternative from the same chapter / topic for the two questions mentioned above