

Himachal Pradesh Board of School Education, Dharamshala

Subject : Physics

Class: XII (Regular)

Term - II (Theory)

Session : 2021-22

Time: 3 hours

Max marks: 50

Marks distribution

Unit No.	Particulars	Marks assigned
4	Electromagnetic Induction and Alternating Currents	9
	Chapter -6: Electromagnetic Induction	
	Chapter -7: Alternating Currents	
5	Electromagnetic Waves	4
Chapter - 8: Electromagnetic Waves		
6	Optics	14
	Chapter -9 : Ray optics and optical instruments	
	Chapter -10 : Wave optics	
7	Dual Nature of Radiation and Matter	5
	Chapter -11: Dual Nature of Radiation and Matter	
8	Atoms and Nuclei	6
	Chapter -12: Atoms	
	Chapter -13: Nuclei	
9	Electronic Devices	7
	Chapter -14: Semiconductor devices and Digital circuits	
10	Communication Systems	5
	Chapter -15: Communication Systems	
Total		50

The theory paper will be of fifty (50) marks in the Term-II and a tentative weightage of 60% will be assigned to it while compiling the final result of term II

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Blue Print

Name of the unit	No. Of questions carrying 1 mark (MCQ)	No. Of questions carrying 2 marks	No. Of questions carrying 3 marks	No. Of questions carrying 4 marks	Total marks
Electromagnetic Induction and Alternating Currents	4	1	1 (Internal Choice be given)	—	9
Electromagnetic Waves	2	1	—	—	4
Optics	5	1	1	1 (Internal Choice be given)	14
Dual Nature of Radiation and Matter	2	—	1	—	5
Atoms and Nuclei	2	2 (Internal Choice be given in any one of these questions)	—	—	06
Electronic Devices	3	—	—	1	7
Communication Systems	2	—	1	—	5
Break up of total 31 questions	20	5	4	2	
Total marks	20 x 1 = 20	5 x 2 = 10	4 x 3 = 12	2 x 4 = 8	50

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Sr No	Type of question	No. Of questions
<u>1</u>	Concept based/ direct	8
<u>2</u>	Numerical based (Application and skill based)	4
<u>3</u>	Match the columns	2
<u>4</u>	Case study/ Comprehensions	2
<u>5</u>	Assertion and Reasoning	2
<u>6</u>	Diagram / Circuit diagram	1
<u>7</u>	Miscellaneous (Understanding and knowledge based)	1
Total no. Of questions		20

Each MCQ carries 1 mark only

No internal choice be given in the MCQ section