

Himachal Pradesh Board of School Education, Dharamshala

Subject : Physics Class: XI ( Regular )

Term - I (Theory) Session : 2022-23

Time: 3 hours

Max marks: 50

**Marks distribution**

Unit No.	Particulars	Marks assigned
<b>1</b>	<b>Physical World and Measurement</b>	<b>6</b>
	Chapter – 1: Physical World	
	Chapter – 2: Units and measurements	
<b>2</b>	<b>Kinematics</b>	<b>10</b>
	Chapter – 3: Motion in a straight line	
	Chapter –4 : Motion in a Plane	
<b>3</b>	<b>Laws of Motion</b>	<b>9</b>
	Chapter –5: Laws of motion	
<b>4</b>	<b>Work, Energy and Power</b>	<b>6</b>
	Chapter –6: Work, Energy and Power	
<b>5</b>	<b>Motion of system of Particles and Rigid Body</b>	<b>9</b>
	Chapter –7: System of Particles and Rotational Motion	
<b>6</b>	<b>Gravitation</b>	<b>10</b>
	Chapter –8: Gravitation	
<b>Total</b>		<b>50</b>

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

Himachal Pradesh Board of School Education, Dharamshala

Subject : Physics Class: XI ( Regular )

Term - I (Theory) Session : 2022-23

Time: 3 hours

Max marks: 50

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
Physical world and measurement	3	_____	1 (Internal choice)	_____	6
Kinematics	4	1 (Internal choice)	_____	1 (Internal choice)	10
Laws of Motion	4	1	1	_____	9
Work, Energy and Power	1	1	1 (Internal choice)	_____	6
Motion of system of Particles and Rigid Body	4	1 (Internal choice)	1	_____	9
Gravitation	4	1	_____	1 (Internal choice)	10
Break up of total 31 questions	<b>20</b>	<b>5</b>	<b>4</b>	<b>2</b>	
<b>Total marks</b>					
	<b>1x20 =20</b>	<b>2x5 = 10</b>	<b>3x4 = 12</b>	<b>4x 2 =8</b>	<b>50</b>

**Himachal Pradesh Board of School Education, Dharamshala**

**Subject : Physics**

**Class: XI ( Regular )**

**Term – I (Theory)**

**Session : 2022-23**

**Blue Print of MCQ**

<b>Sr No</b>	<b>Type of question</b>	<b>No. Of questions</b>
<b><u>1</u></b>	Concept based/ direct	8
<b><u>2</u></b>	Numerical based (Application and skill based)	4
<b><u>3</u></b>	Match the columns	2
<b><u>4</u></b>	Case study/ Comprehensions	2
<b><u>5</u></b>	Assertion and Reasoning	2
<b><u>6</u></b>	Diagram / graph/interpretation	1
<b><u>7</u></b>	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**

Himachal Pradesh Board of School Education, Dharamshala

Subject : Physics

Class: XI ( Regular )

Term - II (Theory)

Session : 2022-23

Time: 3 hours

Max marks: 50

**Marks distribution**

Unit No.	Particulars	Marks assigned
<b>7</b>	<b>Properties of Bulk Matter</b>	<b>17</b>
	Chapter – 9: Mechanical properties of solids	
	Chapter –10 : Mechanical properties of fluids	
	Chapter –11 : Thermal properties of matter	
<b>8</b>	<b>Thermodynamics</b>	<b>12</b>
	Chapter –12: Thermodynamics	
<b>9</b>	<b>Behaviour of perfect gases and kinetic theory of gases</b>	<b>5</b>
	Chapter –13: Kinetic Theory	
<b>10</b>	<b>Oscillations and Waves</b>	<b>16</b>
	Chapter –14: Oscillations	
	Chapter –15: Waves	
<b>Total</b>		<b>50</b>

**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.**

Himachal Pradesh Board of School Education, Dharamshala

Subject : Physics

Class: XI ( Regular )

Term - II (Theory)

Session : 2022-23

Time: 3 hours

Max marks: 50

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
Properties of Bulk Matter	6	2 (Internal choice in any one question)	1	1 (Internal choice)	17
Thermodynamics	5	2	1 (Internal choice)	—	12
Behaviour of perfect gases and kinetic theory of gases	2	—	1 (Internal choice)	—	5
Oscillations and Waves	7	1 (Internal choice)	1	1 (Internal choice)	16
Break up of questions	20	5	4	2	—
<b>Total marks</b>	<b>1x20=20</b>	<b>2x5 = 10</b>	<b>3x4 = 12</b>	<b>4 x 2=8</b>	<b>50</b>

**Himachal Pradesh Board of School Education, Dharamshala**

**Subject : Physics**

**Class: XI ( Regular )**

**Term – II (Theory)**

**Session : 2022-23**

**Blue Print of MCQ**

<b>Sr No</b>	<b>Type of question</b>	<b>No. Of questions</b>
<b><u>1</u></b>	Concept based/ direct	8
<b><u>2</u></b>	Numerical based (Application and skill based)	4
<b><u>3</u></b>	Match the columns	2
<b><u>4</u></b>	Case study/ Comprehensions	2
<b><u>5</u></b>	Assertion and Reasoning	2
<b><u>6</u></b>	Diagram / graph/interpretation	1
<b><u>7</u></b>	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**