

**Mid Term 2022 - 23**  
**PHYSICS**  
**Class XII (Code No.42)**  
**(2022-23)**

Time: 3 hrs.

Max Marks: 70

Unit / Chapter	Typology of Question						Total
	MCQs (10x1=10)	A/R (5x1=5)	Case Study (3x4=12)	SA I (5x2=10)	SA II (6x3=18)	LA (3x5=15)	
1. Electrostatics	2	1		1	2	1	16
2. Current Electricity	2	1	1	1	1		12
3. Magnetic Effects of Current and Magnetism	2	1	1	1	2	1	20
4. Electromagnetic Induction and Alternating Currents	2	1	1	1	1	1	17
5. E M Waves	2	1		1			5
Total (Theory)	(10x1=10)	(5x1=5)	(3x4=12)	(5x2=10)	(6x3=18)	(3x5=15)	70
Practical							30
Grand Total							100

**Weightage of Difficulty Level of Questions**

S. No.	Estimated Difficulty Level	Percentage
1	Easy	15
2	Average	70
3	Difficult	15

**QUESTION PAPER DESIGN**

S. No.	Typology of Questions	Total Marks	Approximate Percentage
	Remembering: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Understanding: Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas	27	38 %
	Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	22	32 %
	Analysing : Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalisations Evaluating: Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria. Creating: Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.	21	30 %
	Total Marks	70	100 %

Note: The above template is only a sample. Suitable internal variations may be made for generating similar templates keeping the overall weightage to different forms of questions and typology of questions same.

For more details we will be referring to the Sample Question Paper of class XII for the year 2022- 23 to be published by CBSE at its website.