PHYSICS (Code No. 042)

COURSE STRUCTURE

Class XI - 2025-26 (Theory)

Time: 3 hrs. **Max Marks: 70**

UNIT	CHAPTERS	MARKS
Unit–I	**Physical World and Measurement**	**23**
	Chapter–1: Units and Measurements	
Unit-II	**Kinematics**	
	Chapter–2: Motion in a Straight Line	
	Chapter–3: Motion in a Plane	
Unit–III	**Laws of Motion**	
	Chapter–4: Laws of Motion	
Unit–IV	**Work, Energy and Power**	**17**
	Chapter–5: Work, Energy and Power	
Unit–V	**Motion of System of Particles and Rigid Body**	
	Chapter–6: System of Particles and Rotational Motion	
Unit-VI	**Gravitation**	
	Chapter–7: Gravitation	
Unit–VII	**Properties of Bulk Matter**	**20**
	Chapter–8: Mechanical Properties of Solids	
	Chapter–9: Mechanical Properties of Fluids	
	Chapter–10: Thermal Properties of Matter	
Unit–VIII	**Thermodynamics**	
	Chapter–11: Thermodynamics	
Unit–IX	**Behaviour of Perfect Gases and Kinetic Theory of Gases**	
	Chapter–12: Kinetic Theory	
Unit–X	**Oscillations and Waves**	**10**
	Chapter–13: Oscillations	
	Chapter–14: Waves	
Total		**70**

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CLASS XI PHYSICS THEORY (042)

BLUE PRINT

SESSION ENDING EXAMINATION (2025-26)

SR. No.	Unit	MCQ/ /ASSERTION REASONING 1M	SA 2 M	LA-I 3 M	CASE STUDY BASED 4M	LA-II 5M		TOTAL MARKS
1	Physical World and Measurement	1(1)		1(3)			4	23
2	Kinematics	2(1) 1(1)A/R		1(3)		1(5) OR 1(5)	11	
3	Laws of Motion	2(1) 1(1)A/R	1(2)	1(3)			8	
4	Work, Energy and Power	2(1)	1(2) OR 1(2)				4	17
5	Motion of System of Particles and Rigid Body	1(1)			1(4)		5	
6	Gravitation	1(1) 1(1)A/R		2(3)			8	
7	Properties of Bulk Matter	1(1)	2(2) OR 1(2)			1(5) OR 1(5)	10	20
8	Thermodynamics	2(1) 1(1)A/R			1(4)		7	
9	Behaviour of Perfect Gases and Kinetic Theory of Gases			1(3) OR 1(3)			3	
10	Oscillations and Waves		1(2)	1(3)		1(5) OR 1(5)	10	10
		16(1) = 16	**5(2) = 10**	**7(3) = 21**	**2(4) = 08**	**3(5) =15**	**33 (70)**	

SR NO	SECTION	NO OF QUESTIONS	
1	A	**1 MARK EACH (16 X 1m=16 marks)**	**12 MCQ - 12 X 1m =12m** **4 AS &RE - 4 X 1m = 4m**
2	B	**5 questions** ,2 MARKS EACH (5 x 2m=10marks) Out of 5 questions, two questions will have internal choice.	
3	C	**7 questions** ,3 MARKS EACH (7 x 3m=21marks) Out of 7 questions, one question will have internal choice.	
4	D	2 questions CASE STUDY 4MARKS EACH (2 x 4m=8marks)	
5	E	**3 questions**, 5 MARKS EACH (3 x 5m=15marks) All the three questions will have internal choice.	

QUESTION PAPER DESIGN Theory (Class: XI/XII)

Maximum Marks: 70 **Duration: 3 hrs.**

S.NO	TYPOLOGY OF QUESTIONS	TOTAL MARKS	APPROXIMATE PERCENTAGE
1.	**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%
2.	**APPLYING:** Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way	22	32%
3.	**ANALYSING** : Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations **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%
		70	100%