II PUC   PHYSICS(33)   BLUEPRINT FOR MODEL QUESTION PAPER-2   2024-25

QP Part	Question type	Number of questions to be set	Marks alloted	Number of questions to be answered	Marks alloted
A	MCQ	15	15	15	15
A	Fill in the blank(FIB)	05	05	05	05
B	SA (2 Marks)	08	16	05	10
C	SA (3 Marks)	08	24	05	15
D	LA (5 Marks)	05	25	03	15
D	Numerical Problem(NP) (5 Marks)	04	20	02	10
	Total	**45**	**105**	**35**	**70**

Unit	Ch No	Chapter/ Content domain/ Unit/ Theme	No. of periods	Marks	Remember(37 marks) MCQ 1 mark	Remember FIB 1 Mark	Remember SA 2 Marks	Remember SA 3 Marks	Understand(32 marks) SA 2 Marks	Understand NP 2 Marks	Understand SA 3 Marks	Understand LA 5 mark	Apply(18 marks) SA 2 Marks	Apply NP 3 Marks	Apply LA 5 mark	Apply NP 5 mark	HOTS(18 marks) MCQ 1 mark	HOTS NP 5 mark
I	1	Electric charges & Fields	12	11	1			1	1									1
II	2	Electrostatic potential and Capacitance	12	11	1		1	1				1(ST)						
III	3	Current electricity	15	13	1						1				1			1
IV	4	Moving Charges and Magnetism	13	11						1	1				1		1	
V	5	Magnetism and Matter	6	5	1	1			1									
V	6	Electromagnetic Induction	8	7		1		1						1				1
VI	7	Alternating Current	8	7	1	1										1		
VI	8	Electromagnetic Waves	3	3	1			1										
VII	9	Ray Optics and Optical Instruments	11	9	1						1							1
VIII	10	Wave Optics	8	7	1	1						1(ST)						
IX	11	Dual nature of Radiation and Matter	6	5	1	1					1							
IX	12	Atoms	4	4	1					1							1	
X	13	Nuclei	5	4	1			1										
X	14	Semiconductor Electronics	9	8	1			1				1						
		Total	**120**	**105**	**12**	**5**	**8**	**12**	**6**	**2**	**9**	**15**	**-**	**3**	**10**	**5**	**3**	**15**

MARKS PER TEACHING HOUR= 105/120=0.875   **ST => SPLIT TYPE QUESTION (1+2+2) OR (2+3) OR (1+4) OR (1+1+3)**

Weightage to objectives:

Objectives	Weightage	Marks
Remember	35%	37
Understand	31%	32
Apply	17%	18
HOTS	17%	18

Weightage to level of difficulty:

Level	Weightage	Marks
Easy	40%	42
Average	40%	42
Difficult	20%	21

GENERAL GUIDELINES FOR SETTING THE QUESTION PAPER

1. Weightage of marks for every chapter should be calculated by multiplying number of teaching hours with 0.875. The total marks should not exceed 105.

2. The question paper should be prepared on the basis of blueprint following the weightage of marks for each chapter. The questions should be framed to check the specific cognitive level as mentioned in the blueprint.

3. Questions should be clear, unambiguous, understandable and free from grammatical errors.

4. Questions which are based on the same concept, law, fact etc. and which generate the same answer should not be repeated under different forms (MCQ, FIB, VSA, LA and NP).

5. The answers for the questions should be available in the prescribed text book or can be derived from the concepts of text book prescribed for that academic year for remember/understand/apply/HOTS questions.

6. In PART – A (I main), MCQ should not involve mathematical calculations. Only 3 MCQs should be from HOTS.

7. In PART – B and C, (III and IV main) only one numerical problem should be asked in each part. They should not be asked from the chapter from which 5 marks numerical problem is set.

8. In PART – D (V main) maximum of two split questions should be asked.

9. When a question carrying 3 or 5 marks is split, the sub questions should be derived from the same concept or different concepts of the same chapter.

10. In PART – D (VI main), only one 5 marks numerical problem should be set from chapters corresponding to a pair of consecutive units like I & II, III & IV, V & VI, VII & VIII, IX & X. Three numerical problems should be from HOTS.

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