

Karnataka Board Blueprint

I PUC PHYSICS(33) BLUEPRINT FOR MODEL QUESTION PAPER 2023-24

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
	Fill in the blank(FIB)	05	05	05	05
B	SA (2 Marks)	09	18	05	10
C	SA (3 Marks)	09	27	05	15
D	LA (5 Marks)	06	30	03	15
	Numerical Problem(NP) (5 Marks)	04	20	02	10
	Total	**48**	**115**	**30**	**70**

Unit	Sr. No	Chapter/ Content domain/ Unit/ Theme	No. of periods	Marks	Remember(41 marks)					Understand(33 marks)				Apply(23 marks)				HOTS(18 marks)		
					MCQ 1 mark	FIB 1 Mark	SA 2 Marks	SA 3 Marks	LA	SA 2 Marks	NP 2 Marks	SA 3 Marks	LA 5 mark	SA 2 Marks	NP 3 Marks	LA 5 mark	NP 5 mark	MCQ 1 mark	SA	NP 5 mark
I	1	Units and measurement	3	3	1		1													
	2	Motion in a straight line	7	6												1		1		
II	3	Motion in a plane	13	12	1	1		1			1					1				
III	4	Laws of motion	13	12	2		1					1								
IV	5	Work energy and power	12	11	1			1		1						1				
V	6	System of particles and rigid body	11	11			1						1(ST)		1			1		
VI	7	Gravitation	10	9	1	1				1										1
VII	8	Mechanical properties of solids	4	4	1							1								
	9	Mechanical properties of fluids	5	5	1	1		1												
	10	Thermal properties of matter	11	11	1		1					1					1			
VIII	11	Thermodynamics	8	8			1						1(ST)					1		
IX	12	Kinetic theory	5	5	1	1						1								
X	13	Oscillations	8	8	1		1													1
	14	Waves	10	10	1	1		1					1							
		Total	**120**	**115**	**12**	**5**	**12**	**12**	**-**	**4**	**2**	**12**	**15**	**-**	**3**	**15**	**5**	**3**	**-**	**15**

ST => SPLIT TYPE QUESTION (1+2+2) OR (2+3) OR (1+4) OR (1+1+3)

Weightage to objectives:

Objectives	Weightage	Marks
Knowledge	35%	41
Understanding	29%	33
Application	20%	23
HOTS	16%	18

Weightage to level of difficulty:

Level	Weightage	Marks
Easy	40%	46
Average	40%	46
Difficult	20%	23

GENERAL GUIDELINES FOR SETTING THE QUESTION PAPER

1. **Variation of 1 mark in each chapter or unit weightage is permitted while preparing the blue print and the total marks should not exceed 115.**
2. **The question paper should be prepared on the basis of blueprint following the weightage of marks fixed for each chapter. The questions must 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 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 for application/reasoning/analytical/HOTS questions.**
6. **When a question carrying 3 or 5 marks is split, the sub questions should be derived from the same concept or different concepts of same chapter.**
7. **Only one 5 mark numerical problem has to be set from chapters corresponding to a pair of consecutive units like I & II, III & IV, V & VI, VII & VIII, IX & X.**
8. **In part A (I main) 3 MCQ and in part D (VI main) 3 numerical problems of same difficulty level must be framed to check Higher Order Thinking Skills.**
9. **Only one simple numerical problem can be included in each of the part B (2 mark) and part C (3 mark).**

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