

JEE (Main) – Physics Sample Question Paper

Subject	Physics
Total Number of Questions	25
Maximum Marks	100
Time Allowed	60 Minutes

Marking Scheme (As per JEE Main Pattern)

Each question carries **4 (four) marks**.

1 (one) mark will be deducted for each incorrect answer.

No marks will be deducted for unattempted questions.

Only one option is correct for each question.

Important Instructions

1. This Question Paper consists of **25 Multiple Choice Questions** from **Physics** only.
2. All questions are compulsory.
3. Rough work should be done only in the space provided in the Question Paper.
4. Calculators, mobile phones, smart watches, or any electronic devices are strictly prohibited.

Name of the Candidate (Capital Letters)	
Roll Number	
Examination Centre Name	
Candidate's Signature	Date

Invigilator's Signature

24. Match List I with List II

LIST I	LIST II
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- | | |
|----------------------|---|
| A Isothermal Process | I Work done by the gas decreases internal energy |
| B Adiabatic Process | II No change in internal energy |
| C Isochoric Process | III The heat absorbed goes partly to increase internal energy and partly to do work |
| D Isobaric Process | IV No work is done on or by the gas |

Choose the correct answer from the options given below:

- | | |
|---------------------------|---------------------------|
| A) A-I, B-II, C-IV, D-III | B) A-II, B-I, C-IV, D-III |
| C) A-I, B-II, C-III, D-IV | D) A-II, B-I, C-III, D-IV |
25. 100 balls each of mass m moving with speed v simultaneously strike a wall normally and reflected back with same speed, in time t s The total force exerted by the balls on the wall is
- | | |
|----------------------|----------------------|
| A) $\frac{100mv}{t}$ | B) $200mvt$ |
| C) $\frac{200mv}{t}$ | D) $\frac{mv}{100t}$ |

JEE MAIN PHYSICS ANSWER KEY

1. (D)	2. (A)	3. (B)	4. (A)	5. (B)
6. (A)	7. (A)	8. (B)	9. (B)	10. (C)
11. (A)	12. (B)	13. (A)	14. (B)	15. (C)
16. (B)	17. (D)	18. (D)	19. (B)	20. (B)
21. (C)	22. (A)	23. (A)	24. (B)	25. (C)