

JEE MAIN MAGNETISM AND MATTER — MAGNETIC PROPERTIES OF MATERIALS (DIA-, PARA-, FERROMAGNETISM) — PYQS

Max. Marks: 8
Questions: 2

Section A (MCQ) — 2 questions

- Q.1** Given below are two statements: one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Consider a ferromagnetic material :

Assertion (A): The individual atoms in a ferromagnetic material possess a magnetic dipole moment and interact with one another in such a way that they spontaneously align themselves forming domains.

Reason (R): At high enough temperature, the domain structure of ferromagnetic material disintegrates. Thus, magnetization will disappear at high enough temperature known as Curie temperature.

In the light of the above statements, choose the correct answer from the options given below :

[JEE Main 2026 (Online) 23rd January Morning Shift]

- (1) (A) is true but (R) is false
- (2) Both (A) and (R) are true and (R) is the correct explanation of (A)
- (3) (A) is false but (R) is true
- (4) Both (A) and (R) are true but (R) is not the correct explanation of (A)

Scan or tap for the
full solution



- Q.2** Paramagnetic substances:

- A. align themselves along the directions of external magnetic field.
- B. attract strongly towards external magnetic field.
- C. has susceptibility little more than zero.
- D. move from a region of strong magnetic field to weak magnetic field.

Choose the most appropriate answer from the options given below:

[JEE Main 2024 (Online) 8th April Morning Shift]

- (1) A, B, C Only
- (2) A, C Only
- (3) A, B, C, D
- (4) B, D Only

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ANSWER KEY

Ques.	1	2									
Ans.	4	2									