

Question Paper (Term 1) 2022-2023

Class - XII

Board - CBSE

Subject - Physics

Time - 90mins

*General Instructions*

- 1. The Question Paper contains three sections*
- 2. The first section contains the general instructions*
- 3. The second section contains the questions*
- 4. The third section contains the answers*

*All Questions carry equal marks*

*There is no negative marking*

**Q1. Which of the following process is used to do maximum work done on the ideal gas if the gas is compressed to half of its initial volume?**

- A. Isothermal
- B. Isochoric
- C. Adiabatic
- D. Isobaric

**Q2. The coefficient performance of a refrigerator is 5. If the temperature inside the freezer is  $-20^{\circ}\text{C}$  calculate the heat rejected to the surrounding**

- A.  $11^{\circ}\text{C}$
- B.  $41^{\circ}\text{C}$
- C.  $31^{\circ}\text{C}$
- D.  $21^{\circ}\text{C}$