



PART – C

Answer **any five** of the following questions. **Each** question carries **two** marks. **(5×2=10)**

- 17. a) Can a body have constant speed but still a varying acceleration ? Explain.
- b) Is it possible to expect the co-efficient of friction to be more than one ? Explain.
- c) If a light body and heavy body have same momentum, then which body will have large kinetic energy ? Explain.
- d) A body with large reflectivity is a poor emitter. Justify.
- e) Does the specific heat of an ideal gas depend on temperature ? Explain.
- f) Are the phenomena of viscosity and conduction reversible ? Explain.
- g) 'Food gets cooked quicker in pressure cooker.' Explain.
- h) Does the change in entropy depends on the path traversed by the substance ? Explain.

