

Note:

Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer book. Cutting or filling two or more circles will result in zero mark in that question.

- 1.1** Water freezes at
 Ⓐ 32F Ⓑ -273K
 Ⓒ 0K Ⓓ 0F⁰
- 2** The turning effect of a force is called
 Ⓐ moment arm Ⓑ net force
 Ⓒ torque Ⓓ momentum
- 3** In solids, heat is transferred by
 Ⓐ absorption Ⓑ convection
 Ⓒ conduction Ⓓ radiation
- 4** A ball is thrown vertically upward. Its velocity at the the highest point will be
 Ⓐ 9.8ms⁻¹ Ⓑ 9.9ms⁻¹
 Ⓒ 10ms⁻¹ Ⓓ zero
- 5** The work done will be zero, when the angle between
 Ⓐ 180° Ⓑ 60°
 Ⓒ 90° Ⓓ 45°
- 6** The number of base units in SI are
 Ⓐ 7 Ⓑ 5
 Ⓒ 6 Ⓓ 4
- 7** The mass of 200cm³ of stone is 500g. Its density will be
 Ⓐ 2.2gcm Ⓑ 2.4gcm³
 Ⓒ 2.3gcm Ⓓ 2.4gcm³
- 8** The value of 'g' on moon is
 Ⓐ 1.92 ms⁻² Ⓑ 1.82ms⁻²
 Ⓒ 1.72ms⁻² Ⓓ 1.72ms⁻²
- 9** A body of mass 50 Kg is raised to a height of 3m, its potential energy will be 1500 J
 Ⓐ 1400 J
 Ⓑ 1300 J
 Ⓒ 1300 J
 Ⓓ 1300 J
- 10** Thermal conductivity of water is
 Ⓐ 0.59Wm⁻¹K⁻¹ Ⓑ 0.39Wm⁻¹K⁻¹
 Ⓒ 0.39 Wm⁻¹K⁻¹ Ⓓ 0.39 Wm⁻¹K⁻¹
- 11** Inertia depends upon
 Ⓐ velocity Ⓑ force
 Ⓒ mass Ⓓ net force
- 12** The co-efficient of friction between tyre and wet road is
 Ⓐ 0.3 Ⓑ 0.2
 Ⓒ 0.4 Ⓓ 0.1