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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.

[4.4] Inertia depends upon:

☐ Force ☐ Net force

☐ Mass ☐ Velocity

[2] The specific heat of glass is:

☐ 840 J/kg °K ☐ 645 J/kg °K

☐ 850 J/kg °K

☐ 900 J/kg °K

[9] The value of g on the surface of the Earth is:

☐ 8.87 ms⁻² ☐ 9.8 ms⁻²

Work is measured in

J

☐ Kilogram

- ☐ Newton ☐ Mole

Rate of doing work is called:

☐ Energy ☐ Torque

☐ Power ☐ Momentum

[B] Rate of flow of heat is:

☐ Q ☐ $\frac{Q}{t}$

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Which of the following is a vector quantity:

@ Speed ® Distance

© Displacement © Power

The unit of torque is:

5 ;

soe

On arot nd the earth in:

ae

ays

® 29.3 days

© 27.3 days

In anges: heat is mainly transferred by

® Molecular collision ® Conduction

| © Convection © Radiation

| Least count of digital vernier calipers is:

® 0.01 mm 0.001 mm

© 0.1mm : © imm

In SI unit of stress is:

® Nm" Nm?

© Ns © Nm