1 The force acting on a body is 100N, calculate the mass of the body ($g=10m/s^2$)
A. 0.1 kg B. 10 g C. 10 kg✅D. 0.001kg

2 Which of the following is the dimension for pressure
A. MLT
B. MLT^{-2}
C. $ML^{-1}T^{-2}$✅
D. $ML^{-2}T^{2}$

3 The dimension for work and energy is
A. $ML^{2}T^{-3}$
B. MLT^{-1}
C. $ML^{2}T^{-2}$✅
D. ML^{-3}

4 The dimension for power is
A.$ML^{2}T^{-3}$ ✅B.$ML^{4}T^{-1}$ C.MLT^{-2} D.MLT^{-3}

5 A quantity which requires magnitude and direction to be specified is
A. Distance B. Mass C. Displacement✅ D. Temperature

6 I Electric potential II Torque III Kinetic energy IV Momentum. Which of the following are vectors?
A. I and II B. I and III C.II and III D. II and IV✅

7 The pair of scalar quantities are
A. Volume and thrust
B. Thrust and weight
C. Mass and luminous intensity
D. A and C

8 Which of the following is not a vector quantity
A. Altitude ✅
B. Weight
C. Displacement
D. Acceleration

9 A ball is thrown vertically into the air with an initial velocity. What's the greatest height reached
A U/2g B. $3U^{2}/2g$ C. U^{2}/g D. $U^{2}/2g$✅

10 *A body will continue to be in state of rest or uniform motion until an external force is applied* this represents which law
A. Newton's law of energy
B. Conservation of motion

C. Newton's first law of motion ✅
D. Amonton's law