	Selvam College Of Technology, Namakkal (Autonomous) IT Support & Development Training Programme (ISDTP)		
Worksheet -1 (Unit & Measurements)			
Bundle & Subject Name	Advanced Bundle V2 (2025) – Competitive Exams Training	**Semester**	VI

Answer Key (10*1=10)

1. The unit of Velocity is _____.
   A) ms^1 B) ms^{-1}
   C) Kgm^{-1} D) m^3
   Ans: B) ms^{-1}
2. The S.I. unit of Luminous intensity is _____. (RRB JE CBT-II 2019)
   A) Ampere B) Second
   C) Candela D) Kelvin
   Ans: C) Candela
3. Newton is the unit to measure _____.
   A) Power B) Force
   C) Pressure D) Resistance
   Ans: B) Force
4. Which of these is a derived quantity?
   A) Momentum B) Mass
   C) Temperature D) Time
   Ans: A) Momentum
5. 89 Mega Joules can also be expressed as _____. (RRB NTPC)
   A) 8900 Joules B) 89000 Joules
   C) 890000 Joules D) 89000000 Joules
   Ans: D) 89000000 Joules
6. Which of the following units is used for measuring the amount of a substance? (RRB NTPC 2020)
   A) LUX B) Mole
   C) Tesla D) Joule
   Ans: B) Mole
7. The dimensional formula of Acceleration is _____.
   A) $M^0 L^1 T^{-2}$ B) $M^1 L^1 T^{-1}$
   C) $M^1 L^1 T^{-2}$ D) $M^0 L^2 T^{-1}$
   Ans: A) $M^0 L^1 T^{-2}$
8. A light year is a unit of _____.
   A) Time B) Intensity of light
   C) Mass D) Distance
   Ans: D) Distance
9. One astronomical unit is a distance equal to _____. (SSC CGL)
   A) 9.46×10^{15} m B) 1.496×10^{11} m
   C) 3×10^8 m D) 3.08×10^{16} m
   Ans: B) 1.496×10^{11} m
10. What is the SI unit of pressure? (SSC CGL)
    A) Ohm B) Pascal
    C) Volt D) Ampere
    Ans: B) Pascal