

Chapter No. 4

1. The Dimension of work is
 - a. MLT^{-1}
 - b. ML^2T^{-2}
 - c. MLT
 - d. MLT^{-2}
2. Original source of biomass energy is
 - a. earth
 - b. stars
 - c. sun
 - d. moon
3. A stone is thrown up from the surface of the earth when it reaches at the maximum height, its K.E. is equal to:
 - (A) mgh
 - (B) $\frac{1}{2}mv^2$
 - (C) zero
 - (D) $2mgh$
4. Power can be defined as a product of:
 - (A) Force and displacement
 - (B) Force and velocity
 - (C) Force and time
 - (D) Force and mass
5. Which one is the biggest unit of energy?
 - (A) Erg
 - (B) Joule
 - (C) Watt hour
 - (D) Kilowatt hour
6. The value of solar constant is
 - (A) 1.4 kW/m^2
 - (B) 1.0 kW/m^2
 - (C) 4.0 kW/m^2
 - (D) 0.1 kW/m^2
7. A body of mass 1.0 kg is drop from the top of tower of height 50 m. What will be its K.E. 10 m below the top?
 - (A) 490 J
 - (B) 49 J
 - (C) 98 J
 - (D) 980 J