WORKSHEET BASED ON MODULE-3

1. What is the meaning of acceleration due to gravity?
2. Give the expression between g an G.
3. Mass of an object is 10 kg. What is its weight on the earth? An object weighs 10 N when measured on the surface of the earth. What would be its weight when measured on the surface of the moon?
4. *Why is the weight of an object on the moon* 1/6 *th its weight on the earth?*
5. How does the value of g changes form pole to equator?
6. What is SI unit of Gravitation force?
7. Give the standard value of acceleration due to gravity(g)on earth surface.
8. A stone is thrown vertically upward with an initial velocity of
    a. 40 m/s. Taking *g = 10* m s^{-2}*, find the maximum height reached*
    b. by the stone. What is the net displacement and the total distance covered by the stone?