

# Riviera International Academy

## Assignment-2077

(Jestha 07, 2077, Wednesday)

**Class: Ten**

### **Subject –Mathematics**

Source: Textbook of Mathematics 10

#### **Homework:**

- Read & write concept of unit. (Copy all examples)
- Read & write formulae. (5-times)

### **Subject-Science**

1. Define free fall and weightlessness. Write the unit of universal gravitational constant in SI system.
2. Why Newton's law of gravitation is called universal law? In which condition does an object fall freely?
3. Write the differences between mass and weight. What is the meaning of mass of an object 50N in the earth surface?
4. Why does value of  $g$  vary from place to place of the earth?
5. At what condition the value of acceleration due to gravity is approximately zero, while getting down from parachute?

### **Subject- Computer**

Answer the following questions after you visit and study the given link:

<https://www.geeksforgeeks.org/transmission-modes-computer-networks>

<https://www.geeksforgeeks.org/types-transmission-media/>

- a) What is transmission media? Give some examples.
- b) What is guided transmission media? Give its examples.
- c) What is unguided transmission media? Give its examples.
- d) What is transmission mode? List its types.
- e) What is simplex mode of transmission? Give its examples.
- f) Differentiate between half-duplex and full-duplex mode of transmission.

**The End.**