

**Riviera International Academy**

**Assignment-2077**

**(Jestha 12, 2077, Monday)**

**Class: Ten**

**Subject –Science**

1. What is gravity? Write the differences between gravity and gravitational force.
2. At which condition gravitational force is equal to universal gravitational constant?
3. What is the meaning of value of universal gravitational constant is  $6.67 \times 10^{-11} \text{Nm}^2\text{kg}^{-2}$ ?
4. Parachute is not safe in lunar surface to jump from a height, why?
5. Define free fall and weightlessness. Write any three places where weightlessness is occur.
6. Write the conclusion of feather and coin experiment.
7. On which factors acceleration due to gravity depends? What is the meaning of acceleration due to gravity of moon  $1.67\text{m/s}^2$ ?

**Subject -English**

E-book: Unit 2

Pg18 Reported Speech

Ex 3.

**Subject- Opt. Mathematics**

Work: Read & write all definitions (along with all examples) of function again.

**The End.**