

# Riviera International Academy

## Assignment-2077

(Baisakh 22, 2077, Monday)

**Class: Ten**

### Subject - Science

#### 1. Define the following terms:

- |                |                                       |           |
|----------------|---------------------------------------|-----------|
| a. Gravitation | b. Universal gravitation constant (G) |           |
| c. Mass        | d. Acceleration due to gravity        | e. Weight |

2. Why does the value of  $g$  vary from place to place?

3. If a body is dropped from the same height once in equator and then in polar region of earth, in which place will it fall faster and why?

4. A body is weighed at the bottom and top of a mountain. Where will be the weight greater and why?

5. Why Newton's law of gravitation is called universal law?

6. An object with mass  $6 \times 10^{24}$  Kg and the other object with mass  $3 \times 10^{22}$  Kg are at the distance of  $2 \times 10^{10}$  m. Find the gravitational force between them.

### Subject – HPE

A. Write short note on:

1. Socio-cultural aspects of environment.
2. Relation of economic aspect with other aspects
3. Impact of psychological aspect in population and health
4. Impact of economic aspect in health and environment

### विषय – नेपाली

जन्मभूमी कथाबाट अभ्यास गर्नुहोस् ।

**The End.**