

Riviera International Academy

Assignment-2077

(Baisakh 21, 2077, Sunday)

Class: Ten

Subject - Science

(You can take help from the class note of 2077/01/19 or from relevant source to do the following questions.)

1. Write the differences between **G** and **g** in four points.
2. What happens in value of acceleration due to gravity (**g**) at the pole and equator of earth and why?
3. A stone of 5 Kg is weighing in polar and equatorial region, where is its weight more and why?
4. Write the formula that is used to calculate acceleration due to gravity at earth surface and at a height from the earth surface.
5. A person brought some goods in equatorial region of earth and sell it in polar region at same price, does he get profit or loss? Justify with reason.
6. Mass and radius of the earth are 6×10^{24} Kg and 6400 Km respectively. Calculate the acceleration due to gravity of the earth. Given $G = 6.67 \times 10^{-11} \text{Nm}^2/\text{Kg}^2$.

Subject – English

English E-book

Page 4. Exc. 1 and 2

Page 5. Grammar (Read the structure)

Subject – Opt. Mathematics

Source: Textbook of 10 : Complete all exercise involving triple sets (Ex-1.2).

The End.