

Riviera International Academy

Assignment-2077

(Ashad 30, 2077, Tuesday)

Class: Ten Date:- _____ Name:- _____

Subject-HPE

1. Give short answers.

- Briefly describe the cervical mucus method of contraception.
- Define Rate of Natural Increase. According to 2001 census, the CBR and CDR of Nepal were 33.1 and 9.6 respectively. Find out the Rate of Natural Increase.
- What is population doubling time? How is it calculated?
- What is dependency ratio? How is it calculated?

Subject- Social Studies

List down the 21 projects of national pride of Nepal.

Subject- Science

- An iron nail sinks in water but a ship made up iron floats on water, why?
- An ice berg of volume $20\text{cm} \times 18\text{cm} \times 15\text{cm}$ and density 0.9g/cc floats in water. What part of it is above the surface of water? Also find the thickness of ice above the water.
- Explain the working of water pump with suitable diagram.
- Write the differences between pressure and upthrust.

Subject- Computer

- Write a program to input the radius and height of a cylinder and calculate the volume and total surface area of the cylinder using SUB procedure. [Hint: $v = \frac{22}{7} * r^2 * h$, $a = 2 * \frac{22}{7} * r * (r + h)$]
- Write a program to input the length, breadth and height of a cuboidal room and calculate area of four walls using FUNCTION END FUNCTION. [Hint: $a = 2h(1 + b)$]
- Write a program to input the base and height of a triangle and calculate its area using SUB END SUB. [Hint: $a = \frac{1}{2} * b * h$]

The End.