

**Riviera International Academy**

**Revision Assignment-2077**

**Day 1 (Baisakh 7, 2077, Sunday)**

**Class: Nine Date:- \_\_\_\_\_ Name:- \_\_\_\_\_**

**Health, Population & Environment**

**Learn the following by heart. Also write in your ex-book.**

1. The process of simultaneous functions of heart, blood and blood vessels in human body is called blood circulation system. This system takes all the nutrients, oxygen, hormones and enzymes to the cells.
2. The organs in our body that produce various liquids and hormones are called glands. The system formed of these organs is called glandular system.
3. The internal and external activities of all systems of our body are controlled and regulated by the nervous system.
4. The process of collective functions of all the organs that are responsible for reproduction is called reproductive system.

**Science**

1. Mention any five derived quantities and explain any one. Why is it derived quantity?
2. Mass and weight are not same physical quantities. Justify this statement in two points.
3. What do you mean by solar day? How many seconds in a month? Show by calculation.
4. What is vector quantity? Write differences between vector and scalar quantity.
5. What is retardation? Show that  $v^2 = u^2 + 2as$ , where  $v$  is final velocity,  $u$  is initial velocity,  $a$  is acceleration and  $s$  is distance travel.
6. What is uniform motion? How can we calculate the relative velocity of a body with respect to another body?

**Opt. Mathematics**

1. Find the sum of polynomial  $p(x) = x^3 - x + 3$ ,  $g(x) = x^2 + 5x - 7$ .
2. Write the order of following matrix. a)  $\begin{pmatrix} 1 & 2 \\ 3 & 4 \end{pmatrix}$  b)  $\begin{pmatrix} 1 & 2 & 3 \end{pmatrix}$
3. Find the distance between the points  $(2, 3)$  and  $(-1, 7)$ .
4. Write down the section formula for internal and external division.
5. Write the trigonometric ratios of some standard angles  $(0^\circ, 30^\circ, 45^\circ, 60^\circ, 90^\circ)$ .
6. Write the formula of reflection through  $x$  – axis and  $y$  – axis.

## **English**

1. Write v2, v3, v4 and v5 of any twenty irregular verbs.
2. Prepare an advertisement for a new toothpaste in market.
3. Collect any five verbs and find their synonyms and antonyms as many as you can.

### **विषय: नेपाली**

१. नौ कक्षामा मेरो पहिलो दिन शीर्षक राखेर एउटा छोटो अनुच्छेद लेख्नुहोस् ।
२. नौ कक्षामा शिक्षकहरूले के कसरी पढाए राम्रो हुन्थ्यो जस्तो लाग्छ ? एक अनुच्छेदमा लेख्नुहोस् ।

## **Social Studies**

1. Draw a map of Nepal graphically and insert five mountains.
2. Describe your province with its features.
3. Why an electricity is considered as an infrastructure of development?
4. Write the components of Demography.

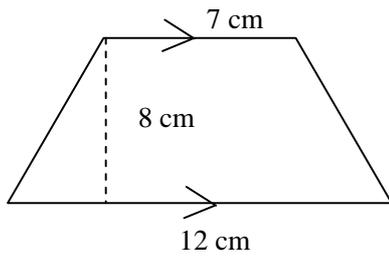
## **Computer**

- 1) What is computer software? Explain the types of computer software with their suitable examples.
- 2) What is an operating system? Write the functions of an operating system.
- 3) What is utility software? Give some examples of utility software.
- 4) What is application software? Differentiate between customized software and packaged software.

## **Com. Mathematics**

1. Simplify :  $\sqrt{32} - \sqrt{72} - \sqrt{50}$
2. Rationalize :  $\frac{3}{\sqrt{3+\sqrt{2}}}$
3. Solve:  $3x^2 - 108 = 0$
4. What will be the cost price of a computer set when it is sold for Rs. 40, 000 with profit of 2%?
5. In a survey of 180 music lovers, it was found that 95 people liked folk songs, 80 people liked modern songs and 35 did not like both types of songs.
  - i. Find how many people liked both songs.
  - ii. Represent the above information in Venn diagram.
6. The length of a rectangular ground is three times its breadth. If the perimeter of the ground is 96m, find the cost of growing grass on it at Rs. 65 per sq. meter.
7. A and B can complete a piece of work in 8 days and A alone can complete it in 12 days. In how many days would B alone complete the work?

8. Find the area of the given figure:



9. Find the quantity whose 60% is 180 kg.

**The End.**