

# Riviera International Academy

## Assignment-2077

(Ashad 07, 2077, Sunday)

Class: Eight

### Subject- Science

#### 1. Define the following:

- Atomic number
  - Compound
  - Molecule
  - Atomic weight
- Write the differences between atomic number and atomic weight.
  - What does  $2n^2$  denote? Explain it with the help of two examples.
  - What is valency? Write the valency of first 20 elements.

### Subject- Opt. Mathematics

A girl scored the following marks in various subjects in a terms exam, each test being marked out of 20. What are her mean marks ?

12, 15, 18, 19, 15, 17, 16, 10, 13, 15 and 14.

If the mean of 5, 7, 9, x and 15 is 10, find the value of x.

If the mean of 3, 7, 10, 15 and x is 12, find the value of x.

The mean weight of 30 boys is 45kg and that of 20 girls is 40kg. Find their mean weight.

Make a frequency table from the following data and find the mean.

(i) 22, 13, 17, 17, 11, 14, 21, 8, 11, 5, 18, 16, 14, 17, 18, 12, 13, 6.

(ii) 12, 14, 13, 12, 14, 15, 13, 12, 14, 13, 14, 15, 16, 13, 17, 12, 13, 14, 18, 16.

विषय - नेपाली

रेखाङ्कित शब्दहरूको पदवर्ग छुट्याउनुहोस।  
(क) अर्न्तला हागी राम्ररी कडा लिँदै हो।  
(ख) म तिमी अगाडि बसेको हु।  
(ग) आज मैले गरेको काम राम्रो हु।  
(घ) किताब पढेर लैरवने बानी बसाउनुहोस।  
(ङ) अब हागी परीक्षाका लागि तयारी गर्ने हो अनि राम्रो अङ्क ल्याउने हो।

## **Subject- English**

### **1. Rewrite the following sentences selecting the correct words from the brackets.**

- a) This is \_\_\_\_\_ plot where we intend building a house. (a, an, the)
- b) The Pied Piper rid the town \_\_\_\_\_ all the rats. (of, off, to)
- c) I, as well as my parents, \_\_\_\_\_ going to emigrate to the Terai. (are, am, is)
- d) He knows \_\_\_\_\_ he is thinking about. (what, that, which)

### **2. Change the following sentences as directed:**

- a) She teaches us English. (into Yes/no question)
- b) I am good at games, \_\_\_\_\_? (into tag question)
- c) The teacher said to his students, "Don't neglect your studies." (into indirect speech)
- d) We shall solve the problem. (into passive voice)
- e) He showed me the greatest respect. (into negative)
- f) She painted the picture yesterday. (into when question)

**The End.**