

# Riviera International Academy

## Assignment-2077

(Jestha 08, 2077, Thursday)

Class: Nine

### Subject – Computer

1) Convert the following numbers as indicated:

- a)  $1111010_2 = (?)_8$     b)  $231_8 = (?)_2$     c)  $72_8 = (?)_2$     d)  $1001101_2 = (?)_8$   
e)  $11011010_2 = (?)_{16}$     f)  $2A3_{16} = (?)_2$     g)  $AB7_{16} = (?)_2$     h)  $101001111_2 = (?)_{16}$

2) Find the study material clicking on the given below link:

<https://drive.google.com/open?id=1sunNCFsNw-oCmQcPd-oMRK-GLIadYbhH>

<https://drive.google.com/open?id=1doxv36jpQb85biqvgdUMdwgCoZxG6KHM>

After learning from above reference material, click on the below link and answer the given questions:

<https://drive.google.com/open?id=1hjjeZGoOSmorn64IB5swYXJF7i1ciT2UEMFgcm2z9M>

### Subject – Opt. Mathematics

- (a) Find the image of the point A (6, 6) rotating about origin through  $180^\circ$ . Also reflect the image in Y-axis.
- (b) Rotate the point A (- 5, 5) about origin through  $- 90^\circ$  and reflect the image obtained in the line  $y = 5$ .
- (c) Find the image of A (- 3, - 4) under rotation about origin through  $90^\circ$  and reflect the image in the line  $x = 3$ .

### Subject- Science

1. Define inertia of direction with one example.
2. Why passenger is jerked forward when a bus suddenly stops?
3. Why a passenger is thrown outside when a bus takes a circular turn?
4. On which factor inertia is depended?
5. Which has more inertia in 10Kg and 4 Kg stone and why?

**The End.**