

Riviera International Academy

Assignment-2077

(Jestha 15, 2077, Thursday)

Class: Nine

Subject – Science

1. How can you say that Newton's second law of motion gives magnitude of force?
2. Define time impact. What is its relation with force?
3. Cricketer lowered his hand while catching cricket ball, why?
4. Jumping on a cemented floor is more dangerous than jumping on foam, why?

Subject- Opt. Mathematics

A (- 1, 2), B (2, 2) and C (2, 6) are the vertices of ΔABC . Find the image of ΔABC under the following transformations and represent them in the graph paper.

- (a) Positive quarter turn about origin (b) Negative quarter turn about origin.
(c) Half turn about origin.

Subject- Computer

1) Convert the following numbers as indicated:

a) $11111_2 = (?)_{10}$ b) $250_8 = (?)_{10}$ c) $62_{10} = (?)_2$ d) $215_{10} = (?)_8$

2) Perform binary calculation:

a) $10110 + 1111$ b) $1011 + 1110$ c) 1101×101 d) 1011×110

The End.