FIRST TERMINAL EVALUATION 2017
BASIC SCIENCE

Standard : VIII

Time : 120 Minutes
Score : 60

Instructions

1. The total cool off time for Physics, Chemistry and Biology is 15 minutes. Read the questions carefully and understand them during this time.

2. Answers are to be written in the order, Physics, Chemistry and biology. The time for each section is 40 minutes. The answer books must be returned to the teacher after writing each subject.

PHYSICS

TIME : 40 Minutes

Total Score : 20

Write answer for any four questions only, from 1 to 5 maximum score 8

1. Find out the odd one in the group and explain what is the common factor in others

    (a) Distance, Displacement, Velocity, Acceleration (1)

    (b) mm, mg, cm, km (1)

2. Read the following statement carefully and edit the underlined portion?

    (a) Unit of speed is <u>M/S</u> (1)

    (b) Unit of force is <u>Newton</u> (1)

3. Iron piece of length 200cm and mass 3000g is given to you. Rewrite these measurment in to SI unit (2)

4. We usually extinguish fire using water. But is it possible if petrol or diesel get fire? Why? (2)

5. Consider 'K' as kerosine , 'S' as coloured saline water and 'W' as water

    (a) If they all are taken in a bottle, how are they arranged?

W	K	S
S	W	K
K	S	W

    Fig.1 Fig.2 Fig.3

    (1)

    (b) On which of their quality did you select this answer? (1)

Write the answer for any four questions only. from 6 to 10 (Total Score : 12)

6. Find the correct option from columns B and c which is suitable to the measurment in columns A (3)

A	B	C
Velocity	kg/m³	Change in velocity/time
Density	m/s²	Displacement /time
Acceleration	m³	Mass/Volume
	m/s	distance/time

(3)

7. Classify the following in to contact and noncontact forces.
   (a) Mango falls down
   (b) A box is moved by pulling.
   (c) A nail is attracted towards amagnet

8. Write three precautions that a pedestrian should take to avoid road accident. (3)

9. A car is moving with velocity of 2 m/s. When the driver applied brake, it come to rest by 4 second.
   (a) What is the velocity of the car when it come to rest? (1)
   (b) calculate the deceleration of the car (2)

10. A teacher was sitting in a bus. Babu says teacher is at rest and Laila says the teacher is moving. But when we came to the class, the teacher says both of the them are correct.
    (a) who among them travelled with the teacher in the bus. (1)
    (b) substantiate your answer? (2)