

FORMATIVE ASSESSMENT-2

CHAPTER - 3 : LAWS OF MOTION

Name:..... Section:..... Roll No:..... Max.Marks:20

I. Answer the following questions. Each carries four marks. 2 x 4 = 8 M

- 1) Define linear momentum. Write the formula. What are the units of momentum in C.G.S. and M.K.S. system ?
- 2) Write Newton's third law of motion and give two examples in daily life.

II. Answer the following questions briefly. Each carries two marks. 2 x 2 = 4 M

- 3) What happens to the passengers when a rest bus moves suddenly ? Why ?
- 4) Draw a neat diagram of balloon rocket.

III. Answer the following in one or two sentences. Each carries one marks. 2 x 1 = 2 M

- 5) The teacher asked Ramitha a question. Ramitha replied the correct answer "Galileo". Can you guess, What was the question?
- 6) The cricket player moves his hands back ward while catching the ball. Why ?

IV. Choose the correct choice and write down in the given brackets. 6 x 1 = 6 M

- 7) Newton proved his three laws of motion by using machine. []

A. Atwood machine B. Telescope C. Spring balance D. Stereo scope

- 8) The S.I. units of mass []

A. Kiogram B. Gram C. Meter D. Litre

- 9) Identify Pisa tower []

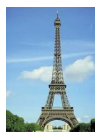
A.



B.



C.



D.



- 10) The ball applied force on a wall with smooth surface about 20 N.

Then how much force acts on the ball by the wall? []

A. 30 N B. 10 N C. 20 N D. 2 N

- 11) If net force on a body is zero, then []

A. The body is in acceleration B. The body is in deceleration
C. The body changes its direction D. The body remains its previous state

- 12) There are four bodies with masses 10 Kg, 15 Kg, 12.5 Kg and 8 Kg.

Among these objects which has more inertia ? []

A. The body with 10 Kg B. The body with 15 Kg
C. The body with 12.5 Kg D. All have same inertia

