

SLIP TEST-3(1)

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) Explain the static inertia with an activity.
- 2) Define FBD. Draw a FBD for object which is placed on an inclined plane.

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

- 3) Give two examples for Newton's third law .
- 4) What is the law of conservation of momentum?

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

- 5) Two objects have masses 6 Kg and 16 Kg. Which one has more inertia?
- 6) Kishore replied the correct answer, "Newton's third law" for a question asked by the teacher. Can you guess the question?

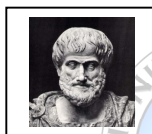
**IV. Choose the correct choice and write down in the given brackets. 6 x 1 = 6 M**

7) Identify the scientist who invented Pendulum [     ]

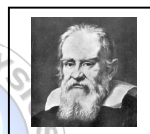
A.



B.



C.



D.



8) If net force is zero, ..... [     ]

- A. acceleration
- B. Change in velocity
- C. Change in direction
- D. Balanced state

9) The property that oppose the change in its state [     ]

- A. Inertia
- B. Elasticity
- C. Diffusion
- D. Compressibility

10) S.I. units of mass [     ]

- A. Kg
- B. gram
- C. Pound
- D. ownse

11) 1 Newton = ..... [     ]

- A. 1 Kg. m/s<sup>2</sup>
- B. 1 Kg. m/s
- C. 1 gm.cm/s<sup>2</sup>
- D. 1 gm.cm/s

12) The tension is always in ..... Direction. [     ]

- A. towards fixed point
- B. downwards
- C. upwards
- D. opposite to motion