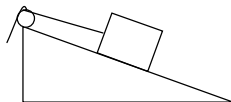


FORMATIVE ASSESSMENT - 1
CHAPTER-1,2 : FORCE, FRICTION

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

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

- 1) Identify the tasks as pull or push or both.
 (i) Sucking juice with a straw (ii) Pressing tooth paste tube
 (iii) Picking coin from the floor (iv) Kicking foot ball
- 2) Observe the diagram. An object is pulling by the pulley. Show all the forces acting in this situation.



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

- 3) What happened when two magnets placed close together. Why ?
 4) 10 Kg brick with dimensions 50x25x20 cm placed horizontally on the floor. The static friction is "f". What happened to the static friction when it placed vertically on the floor?

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

- 5) Name any two contact forces.
 6) Define rolling friction.

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

- 7) Using of lubricants or ball bearings causes in friction. []
 A. Increase B. Decrease C. A or B D. None of these
- 8) True statement []
 A. Friction \propto Normal force B. Friction \propto Area of contact
 C. Friction $\propto \frac{1}{\text{Normal force}}$ D. Friction $\propto \frac{1}{\text{Area of contact}}$
- 9) Which is not true []
 A. Friction is friend B. Friction is enemy
 C. Friction is friend and enemy D. None of these
- 10) This is not a field force []
 A. Magnetic force B. Electro static force
 C. Gravitational force D. Tension force
- 11) Pull or push is called []
 A. Friction B. Force C. Pressure D. Weight
- 12) Gravitational force acts between []
 A. Earth and an any object B. Any two planets in world
 C. Earth and objects having more mass D. Any two objects in universe

NAGA MURTHY- 9441786635
 Contact at : nagamurthysir@gmail.com
 Visit at : ignitephysics.weebly.com

