

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) A water bottle is kept on a stool. Draw a rough diagram that shows all the forces acting in that situation. (FBD for the water bottle)
- 2) Identify the tasks as pull or push or both.
  - (i) Hoisting national flag
  - (ii) Pressing tooth paste tube
  - (iii) Picking stones from the rice
  - (iv) Bowling the cricket ball

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

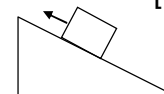
- 3) Take a plastic scale. Rub the scale with a polythene cover. Take it near to the paper pieces. What do you observe?
- 4) How the friction is useful in our daily life?

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

- 5) What changes can be produced by force?
- 6) Name any two contact forces.

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

- 7) Magnets attracts [     ]
  - A. Iron
  - B. Steel
  - C. Iron and Steel
  - D. None of these
- 8) Which force acts on a free fall fruit from a tree? [     ]
  - A. Electro static force
  - B. Gravitational force
  - C. Magnetic force
  - D. Muscular force
- 9) This is not a field force [     ]
  - A. Magnetic force
  - B. Electro static force
  - C. Gravitational force
  - D. Tension force
- 10) The substances that reduce the friction force are called ..... [     ]
  - A. Lotions
  - B. Cosmetics
  - C. Lubricants
  - D. Fuels
- 11) Which is not true [     ]
  - A. Friction is friend
  - B. Friction is enemy
  - C. Friction is friend and enemy
  - D. None of these
- 12) The force shown with arrow in the given figure is ..... [     ]
  - A. Friction force
  - B. Normal force
  - C. Tension
  - D. Gravitational force



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