

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 girl is suspended from the tree by a rope with her two hands in circus. Draw a rough diagram that shows all the forces acting in that situation.
- 2) Explain an activity to observe the effect of area of contact on friction force.

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

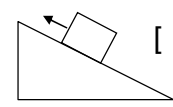
- 3) Blow a balloon. Rub the balloon with your shirt. Take it near to the paper pieces. What happens?
- 4) Why the shoes of sportsmen have spikes?

**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) Define static friction.

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

- 7) Magnets attracts [     ]  
 A. Iron                                      B. Nickel                                      C. Iron / Nickel                                      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) The gravitational force of earth on a body is called ..... [     ]  
 A. Mass                                      B. Force                                      C. Pressure                                      D. Weight
- 10) The substances that reduce the friction force are called ..... [     ]  
 A. Lotions                                      B. Cosmetics  
 C. Lubricants                                      D. Fuels
- 11) True statement [     ]  
 A. Friction depends upon area of contact                                      B. Friction does not depends upon mass  
 C. Friction depends upon normal force                                      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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