

PHYSICAL SCIENCE
FORMATIVE ASSESSMENT-1
(2019-2020)

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Max.Marks:20

CLASS: 8

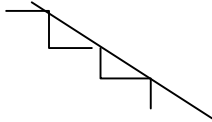
NAME OF THE STUDENT: _____

ROLL NO: _____

I) Answer the following questions

4X1=4M

1. Define friction
2. If a body is moving on a straight road, then how many forces are acting? what are their?
3. Why do Gymnasts apply some coarse substance on their hands?
4. A stick is placed on steps as shown in the figure. Draw normal forces on the stick.



II) Answer the following questions.

2x2=4M

5. Why do tools meant for cutting always have sharp edges?
6. Explain why sliding friction is less than static friction.

III) Answer the following questions.

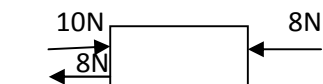
2x4=8M

7. What ways do you suggest to reduce friction?
8. Identify the types of force involved in this following statements
 - a) Fruit falling from a tree.
 - b) A person is pulling water from well.
 - c) Rubbing of balloon is attracted the pieces of paper.
 - d) Magnetic compass needle shows the N-S direction.

IV) Choose the right answer from the given choices.

8x1/2=4M

9. S.I. unit of pressure is ()
A) N/m^2 B) N/m C) Pascal D) Both A and C
10. Self adjusting force ()
A) Rolling friction B) Sliding friction C) Kinetic friction D) Static friction
11. A force can change the state of ()
A) Motion of an object B) Shape of an object C) Direction of an object D) All the above
12. Which of the following play major role to avoid corrosion due to friction ()
A) Paints B) Lubricants C) Alloys D) Galvanizing
13. Friction is proportional to ()
A) Applied force B) Weight C) Normal force D) All the above
14. Which of the following is not a field force ()
A) magnetic force B) Electrostatic force C) Normal force D) gravitational force
15. Find the magnitude of net force from the following diagram ()



- A) 2N B) 4N C) 6N D) 8N
16. The frictional force exerted by fluids is called ()
A) Rolling friction B) Sliding friction C) Static friction D) Drag