



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

TERM- 1

ANSWERS

Subject-Physical Science Worksheet- 15 Class – 5

Date- 23.03.21

Topic- FORCE AND MOTION

CHOOSE THE CORRECT OPTION- (MCQ)

MARKS=1×15

1. A force acting on an object does no work if

.

a. the force is not in the direction of the object's motion.

.

.

2. What is the speed of a bob whose distance time graph indicates that it traveled 100 m in 25 seconds?

a. 4 m/s

3. What is the SI unit of pressure?

a. a pascal

4 . The operation of a hydraulic lift system is explained by

.

a. Bernoulli's principle.

.

5. The amount of matter in an object is called its

a. inertia.

.

.

6. The force that one surface exerts on another

when the two rub against each other is called.

c. inertia.

a. friction.

7. An object that travels around another object in space is called a(n)

a. satellite.

8. When you know both the speed and direction of an object's motion, you know that

b. velocity of the object.

9. What is transferred by a force moving an object through a distance?

a. motion

10. The SI unit of power is the

a. watt.

11. The basic SI unit of length is the

c. meter.

12. Based on your knowledge of energy conservation, which of the following statements is true?

a. Energy can be conserved by turning off lights when they are not in use. c. both a and b
d. neither a nor b

13. Which of the following is an example of exerting a force?

a. a carpenter hammering a nail

14. One way to increase acceleration is by

a. increasing both force and mass proportionally.

.

15. In order to calculate pressure exerted on a surface, what quantity is divided by the surface area?

a. force

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