

<u>A JESUIT CHRISTIAN MINORITY INSTITUTION</u> TERM - 1

Subject-Physical Science Worksheet- 13Class - 9

Date- 7.3.21

Topic- Force and Motion

CHOOSE THE CORRECT OPTION- (MCQ) MARKS=1×15

Question 1

Mass is the measure of

A.inertia B. velocity
C.both scalar D. None of these

Question 2

When a body moves with uniform motion in a straight line then -----acts upon it.

A. No force B. velocity C.fundamental quantity D.wave quantity

Question 3

The product of mass and its velocity is called A. momentum B.vector motion

C.circular motion D. Vibratory motion

Question 4

The earth is attracted by the sun and this force of attraction is called

A.centripetal force B. Time period C.velocity D.distance

Question 5

Push is also a kind of

A. thrust B.moving with respect to time

C.uniform velocity D. Uniform acceleration

Question 6.

Every action there is an equal and ----- reaction.

A. opposite B.body moves away from origin

C.body is stationary

D. Acceleration is zero

Question 7

Measurement of force is obtained from Newton's

A.law of gravitation

C.displacement

B.1st law of motion

D.distance

- Question 8
- When an unbalanced force acts on a body A.the body's motion does not change B.the inertia of the body increase C.the weight of the object decrease D.the object accelerates
- Question 9

Q. What is the momentum of a 50 kg ice skater gliding across the ice at a speed of 2m/s?

A.25kgm/s C.50kgm/s B.48kgm/s D.100kgm/s

Question 10

Q.The S.I unit of force is the A.meter B.joule C.kilogram D.newton

- Question 11
 - Q. A horizontal line on a distance time graph means the object is

A.moving at a constant speed

B.moving faster

C. at rest

D.slowing down

Question 12

Q. Newton's third law of motion describes

A.net force

B.centripetal forces

C.balanced forces

D.action and reaction forces.

- Question 13
 - Q. Oscillation of a tuning fork is a

A. vibratory motion

B.straight line motion

C.nucleus

D.none of these

- Question 14
 - Q. Momentum is the product of mass and -----

A.Velocity

B.power

C.energy D.time

• Question 15

Q. Density is the ratio of mass and.......

A.Volume

B.Area

C.gravity
D.none of these

Teacher- Piyali Halder