



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

• **Subject- Physics**

Answers of Worksheet- 1

Class – IX

Date-7.04.2020

Chapter- Work,energy and power

Q Answer the following questions (MCQ) :

(1×15)

1 . On an object the work done does not depend on

d. Initial velocity of an object.

2. What is the formula of work done ?

a. work done = force x displacement

3. When a body like earth is moving in a circular path the work done in that case is zero because

b.centripetal force acts along the radius of circular path

4. The unit of work is joule. The other physical quantity that has the same unit is

c. energy

5. A runner ,while moving, is facing a wind from the opposite direction. The work done by the wind on runner will be

b. negative

6. Which is which of the following given below quantity is a scalar quantity

c. work done

7. 1 joule is the amount of work done on an object when a force of 1 Newton displaces it along its line of action by

b.1m

8. Which of the following is an example of work done against force

a. getting up the stairs

9. The rate of change of work is

a. power

10. If a person walk on horizontal road with a suitcase on his hand then the work done is zero

a. this statement is true

11. Due to application of 5 Newton force an object moves 10 metre along perpendicular direction of the force .What amount of work is done ?

d. 0 joule

12. Which of the following is equal with Newton-metre

a. joule

13. A man is carrying heavy luggage from one platform to the other of a railway station but still according to the logics of science his work done is said to be zero. The correct reason is

b. The force is acting perpendicular to the direction of displacement of luggage

14. If the point of application of force moves in the direction of applied force work is said to be

b. positive

15. A body is moving from a point A to a point B over a rough surface that causes friction due to which X work is done, the body moves back from point B to A on the same surface. Total work done will be

a. zero

Teacher- Piyali Halder