

TSINSETA LEMARIAM SENIOR SECONDARY SCHOOL

PHYSICS GRADE 10th QUESTON AND ANSWER TEST 2017 E.C TIME - 25min

NAME.....GRADE & SECTION Roll No.....

PARTI; CHOOSE THE CORRECT ANSWER FROM THE GIVEN ALTERNATIVE

1. Which one of the following is correct

- A. Gravity is independent of position of the falling body**
- B. All free falling bodies accelerate With constant value**
- C. The speed of free falling body depend on their mass**
- D. All**

2. What are the components F_x & F_y respectively if a resultant force of 100N acting at an angle of 37° . ($\sin 37^\circ=0.6$ $\cos 37^\circ=0.8$)

- A. 60N & 80N B. 50N & 50N C. 80N & 60N D. 8N & 6N**

3.. for body moving with a constant velocity the speed is

- A. Coninually changing**
- C. greater than the magnitude of the velocity**
- B. less than the magnitude of the velocity**
- D. Equal to the magnitude of the velocity**

4. A stone is thrown downward with a speed of 30m/s find the height through which a body falls? A. 30m B. 300m C. 4m D. 45m

5. Three students, HAGOS, CHALTU & BELACHEW pull an object, If chaltu pulls an object 4N force due east, HAGOS 10N force due west & BELACHEW pulls two times of chaltu due east , in what direction will the object move?

- A. Due west**
- B. Due east**
- C. challa direction**
- D. To both direction**

6. A ball thrown vertically upward and return to its starting point in 10sec, what is the maximum height reached by the ball?

- A. 250m B. 25m C. 125m D. 500m**

7. Stretching of an elastic band or spring is an example of;

A. Shear stress B. Tensile stress C. Bulk stress D. Compressive stress

8. A car moving with a velocity of 50m/s following a motor cycle moving at a velocity of 70m/s is what is the relative velocity of the car?

A. -20m/s B. 20m/s C. 120m/s D. -120m/s

9. Which one of the following are correct statement

A. Solid objects are perfectly rigid

B. Plastic deformation is reversible and temporary deformation

C. Elastic deformation is irreversible and permanent deformation

D. Plastic bodies doesn't regain to its original shape when the external force is removed

10. A man gets a mineral with a volume of 20cm^3 & a mass of 60g. what is its density & the specific gravity of the mineral.

A. 300 kg/m^3 & 30 B. 3000kg/m^3 & 30 C. $3 \times 10^3\text{kg/m}^3$ & 3 D. $3 \times 10^{-3}\text{ kg/m}^3$ & 3

Set by T.Negasi