

ECAT Pre General Science Physics Chapter 4 Work and Energy

Sr	Questions	Answers Choice
1	The tidal energy is produced due to rotation of Earth relative to:	A. Moon B. Sun C. Oceans D. Water
2	The work performed on an object does not depend on:	A. Force applied B. Angle at which force is inclined to the displacement C. Initial velocity of the object D. Displacement
3	The types of mechanical energy is/are:	A. Kinetic energy B. Potential energy C. Both of these D. None of these
4	The unit of work in CGS system is	A. Joule B. Erg C. Dyne D. Watt
5	A boy pulls a toy car through a distance of 5 m by applying a force of 0.5 N, which makes and angle of 60° with the horizontal. The work done by the boy is:	A. 1.25 J B. 12.5 J C. 125 J D. None of these
6	The energy stored in the water of the dam is:	A. Electric energy B. Kinetic energy C. Potential energy D. None of these
7	The field in which work done in moving a body between two points depends upon the path followed is called:	A. Conservative field B. Non-conservative field C. Electric field D. None of these
8	When a body moves against the force of friction on a horizontal plane, the work done by the body is:	A. Positive B. Negative C. Zero D. None of these
9	Work is always done on a body when:	A. A force acts on it B. It moves through certain distance C. None of A and B is correct D. Both A and B is correct
10	When the body moves against the force of friction on a horizontal plane, the work done by the body is:	A. Positive B. Negative C. Zero D. None of these
11	If force and displacement are in opposite direction, the work done is taken as:	A. Positive work B. Negative work C. Zero work D. Infinite work
12	Work is a	A. Scalar quantity B. Vector quantity C. Base quantity D. None of these
13	The work done on the body will be zero if:	A. No force is applied on the body B. Force is applied but no displacement C. Angle between F(force) and d(displacement) is 90° D. None of these

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D. All of these are correct

14 The field in which work done in moving a body between two points depends upon the path followed is called:

- A. Conservative field
- B. Non-conservative field
- C. Electric field
- D. None of these

15 A field in which the work done in moving a body along closed path is zero is called

- A. Nuclear Field
- B. Conservative field
- C. Gravitational field
- D. Non-conservative field

16 Which of the following is not a unit of power:

- A. J-sec
- B. Watt
- C. N m/sec
- D. Horsepower

17 Most of the geysers occur in:

- A. Volcanic regions
- B. Magnetic regions
- C. Northern region
- D. None of these

18 The work performed on an object does not depend on:

- A. Force applied
- B. Angle at which force is inclined to the displacement
- C. Initial velocity of the object
- D. Displacement

19 Work has the dimension as that of:

- A. Torque
- B. Angular momentum
- C. Linear momentum
- D. Power

20 Work done in lower and bucket into the well is:

- A. Zero
- B. Positive
- C. Negative
- D. None of these