11. Work done by variable force is determine by dividing
A. force into small interval
C. both force and displacement into small intervals
B. displacement into small interval
D. force into small and displacement into large intervals

Answer: Option B
12. Work done on the body equals to the
A. change in its K.E always
C. change in its K.E and change in its P.E

Answer: Option C
13. The escape velocity of a body in gravitational field of earth is independent of
A. its mass
C. both its mass and the angle at which it is thrown
B. change in its P.E always
D. neither change in K.E and nor change in its P.E

Answer: Option C
14. The tides raise the mater in the see roughly in a day
A. once
B. twice
C. four time
D. eight time
Answer: Option B
15. The source of geothermal energy is
A. decay of radioactive element in the earth
B. compression of material in the
C. residual lost of the earth
D. all as said in a - b and c

Answer: Option D
16. The highest value of escape velocity in solar system is planet
A. Earth
B. Neptune
C. Jupiter
D. Moon

Answer: Option C
17. Work done by the force of friction is
A. always positive
C. positive only for small frictional force

Answer: Option B
18. Gravitational P.E of a body has
A. no formula
B. a formula mgh only
C. a formula
D. no general formula

Answer: Option D
19. If velocity is doubled then
$\begin{array}{lll}\text { A. momentum increases } 4 \text { times and } & \text { B. momentum and K.E. remain same } \\ \text { K.E increases } 2 \text { times } & \text { mes } \\ \text { C. } & \\ \begin{array}{ll}\text { Momentum increases } 2 \text { times and } & \text { D. increases constant }\end{array} & \begin{array}{l}\text { momentum increases } 2 \text { times and } \\ \text { K.E increases } 4 \text { time }\end{array} \\ \text { Answer: Option D } & \end{array}$
$\begin{array}{lll}\text { A. } \\ \text { K.E increases } 2 \text { times } & \text { times and } & \text { B. momentum and K.E. remain same } \\ & & \\ \text { C. momentum increases } 2 \text { times and } & \text { D. } & \begin{array}{l}\text { Momentum increases } 2 \text { times and } \\ \text { K.E increases constant }\end{array} \\ & \\ \text { Answer: Option D } & \end{array}$
$\begin{array}{lll}\text { A. } \\ \text { K.E increases } 2 \text { times } & \text { times and } & \text { B. momentum and K.E. remain same } \\ & & \\ \text { C. momentum increases } 2 \text { times and } & \text { D. } & \begin{array}{l}\text { Momentum increases } 2 \text { times and } \\ \text { K.E increases constant }\end{array} \\ & \\ \text { Answer: Option D } & \end{array}$
$\begin{array}{lll}\text { A. } \\ \text { K.E increases } 2 \text { times } & \text { times and } & \text { B. momentum and K.E. remain same } \\ & & \\ \text { C. momentum increases } 2 \text { times and } & \text { D. } & \begin{array}{l}\text { Momentum increases } 2 \text { times and } \\ \text { K.E increases constant }\end{array} \\ & \\ \text { Answer: Option D } & \end{array}$
$\begin{array}{lll}\text { A. } \\ \text { K.E increases } 2 \text { times } & \text { times and } & \text { B. momentum and K.E. remain same } \\ & & \\ \text { C. momentum increases } 2 \text { times and } & \text { D. } & \begin{array}{l}\text { Momentum increases } 2 \text { times and } \\ \text { K.E increases constant }\end{array} \\ & \\ \text { Answer: Option D } & \end{array}$
$\begin{array}{lll}\text { A. } \\ \text { K.E increases } 2 \text { times } & \text { times and } & \text { B. momentum and K.E. remain same } \\ & & \\ \text { C. momentum increases } 2 \text { times and } & \text { D. } & \begin{array}{l}\text { Momentum increases } 2 \text { times and } \\ \text { K.E increases constant }\end{array} \\ & \\ \text { Answer: Option D } & \end{array}$
B. always negative
D. positive only for large frictional force
20. When the speed of a moving body is doubled then
A. its K.E is doubled
B. its acceleration is doubled
C. its P.E is doubled
D. its momentum is doubled

Answer: Option D

