TEST YOUR KNOWLEDGE

QUIZ

PHYSICS
1. PRESSURE BY A PERSON ON THE GROUND WILL BE MAXIMUM

a. In the sitting position
b. In the standing position
c. In lying down position
d. Same in all cases
2. BUOYANT FORCE DEPENDS UPON

a. Density of the body
b. Density of liquid
c. Volume of liquid
d. None of these
3. LACTOMETER IS THE DEVICE USED FOR DETERMINING

a. Purity of milk
b. Relative density
c. Both a and b
d. None of above
4. WHEN A BODY FLOATS IN A LIQUID THEN

a. Loss of weight of the body is equal to the liquid displaced by the body
b. Loss of weight of the body is greater than the weight of the liquid displaced by the body
c. Loss of weight of the body is equal to the weight of the liquid displaced by the body
d. Cannot be decided
5. THE LOUDNESS OF SOUND DEPEND ON

a. Frequency
b. Amplitude
c. Quality
d. All of these
6. FREQUENCY OF ULTRASONIC WAVES IS BETWEEN

a. 20 Hertz and 200 Hertz
b. 200 Hertz to 2000 Hertz
c. 2000 Hertz to 20000 Hertz
d. More than 20000 Hertz
7. SPEED OF SOUND IN A MEDIUM DEPENDS UPON

a. Nature of medium only
b. Temperature of medium only
c. Both a and b
d. None of above
8. IMAGE FORMED BY A PLANE MIRROR IS

a. Real and erect
b. Real and inverted
c. Virtual and erect
d. Virtual and inverted
9. SOUND TRAVELS IN AIR IN THE FORM OF

a. Longitudinal waves
b. Transverse waves
c. Electromagnetic waves
d. None of the above
10. ECHO IS DUE TO REFLECTION OF

a. Light waves
b. Radio waves
c. Sound waves
d. Infrasonic waves
11. WHICH OF THE FOLLOWING IS CARRIED BY THE WAVES FROM ONE PLACE TO ANOTHER

a. Mass
b. Velocity
c. Wavelength
d. energy
12. IN SONAR, WAVES USED ARE

a. Ultrasonic
b. Infrasonic waves
c. Radio waves
d. Audible sound waves
13. INFRASOUND WAVES CAN BE HEARD BY

a. Dog
b. Bat
c. Rhinoceros
d. Human beings
14. WHEN A BODY FALLS FREELY TOWARDS THE EARTH, THEN ITS TOTAL ENERGY

a. Increases
b. Decreases
c. Remains constant
d. First increases and then decreases
15. The work done on an object does not depend upon the:

a. Displacement
b. Force applied
c. Angle between force and displacement
d. Initial velocity of the object
16. WATER STORED IN A DAM POSSESSES

a. No energy
b. Electrical energy
c. Kinetic energy
d. Potential energy
17. An object is floating on a liquid, the up thrust on the object is:

a. Zero

b. Equal to the weight of the liquid displaced

c. Less than the weight of the liquid displaced

d. Equal to weight of liquid displaced
18. The force of gravitation between two objects does not depend on

a. Their separation
b. The product of their masses
c. The sum of their masses
d. The gravitational constant
19. In vacuum all freely falling objects have the same

a. Force
b. Momentum
c. Acceleration
d. mass
20. WHAT KEEPS AN EARTH SATELLITE MOVING IN ITS ORBIT?

a. Burning of fuel
b. Gravitational attraction of sun
c. Gravitational attraction between satellite and earth
d. None of above
21. The atmosphere is held to the Earth by:

a. Gravity
b. Wind
c. Clouds
d. Earth's magnetic field
22. An object whose position with respect to surroundings does not change is said to be in a state of

a. Rest
b. Motion
c. Vibration
d. Oscillation
23. DISTANCE

a. Is always positive
b. Is always negative
c. May be positive as well as negative
d. Is neither positive as well as negative
24. A PASSENGER IN A MOVING TRAIN TOSSES A COIN WHICH FALLS BEHIND HIM. IT MEANS THAT MOTION OF THE TRAIN IS

a. Accelerated
b. Uniform
c. Retarded
d. Along circular tracks
25. The weight of an object at the center of the Earth of radius 'r' is

a. Zero
b. Infinite
c. R times the weight at the Centre of the earth
d. $\frac{1}{r^2}$ times the weight at the surface of earth
1) In the standing position
2) Density of liquid
3) Purity of milk
4) Loss of weight of the body is equal to the weight of the liquid displaced by the body
5) Amplitude
6) More than 20000 Hertz
7) Both a and b
8) Virtual and erect
9) Longitudinal waves
10) Sound waves
11) Energy
12) Ultrasonic
13) Rhinoceros
14) Remains constant
15) Initial velocity of the object
16) Potential energy
17) Equal to the weight of the liquid displaced
18) The sum of their masses
19) Acceleration
20) Gravitational attraction between satellite and earth
21) Gravity
22) Rest
23) Positive
24) Accelerated
25) zero
CHECK YOUR SCORE

- All Correct : Outstanding
- 20 – 24 : Excellent
- 15 – 19 : Very Good
- 10 – 14 : Good
- <10 : Needs Improvement