



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



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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



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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



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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



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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. $1/R^2$ times the weight at the surface of earth

Answers

- 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**
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