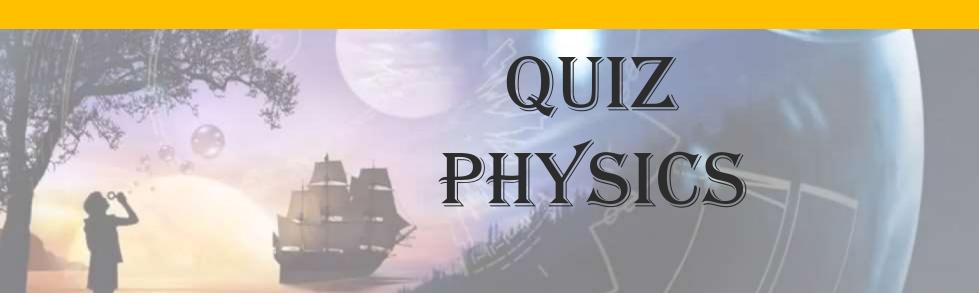


# TEST YOUR KNOWLEDGE

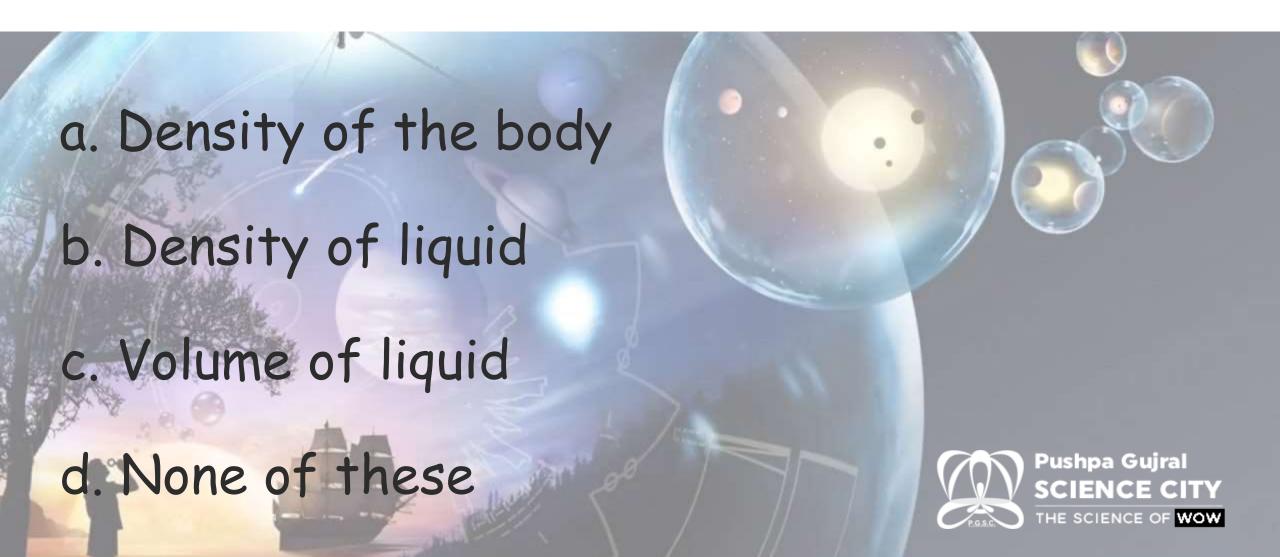


## 1. PRESSURE BY A PERSON ON THE GROUND WILL BE MAXIMUM

- 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



### 3. LACTOMETER IS THE DEVICE USED FOR DETERMINING



#### 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



### 6. FREQUENCY OF ULTRASONIC WAVES IS BETWEEN

- a. 20 Hertz and 200 Hertz
- b. 200Hertz to 2000 Hertz
- c. 2000 Hertz to 20000 Hertz
- d. More than 20000 Hertz

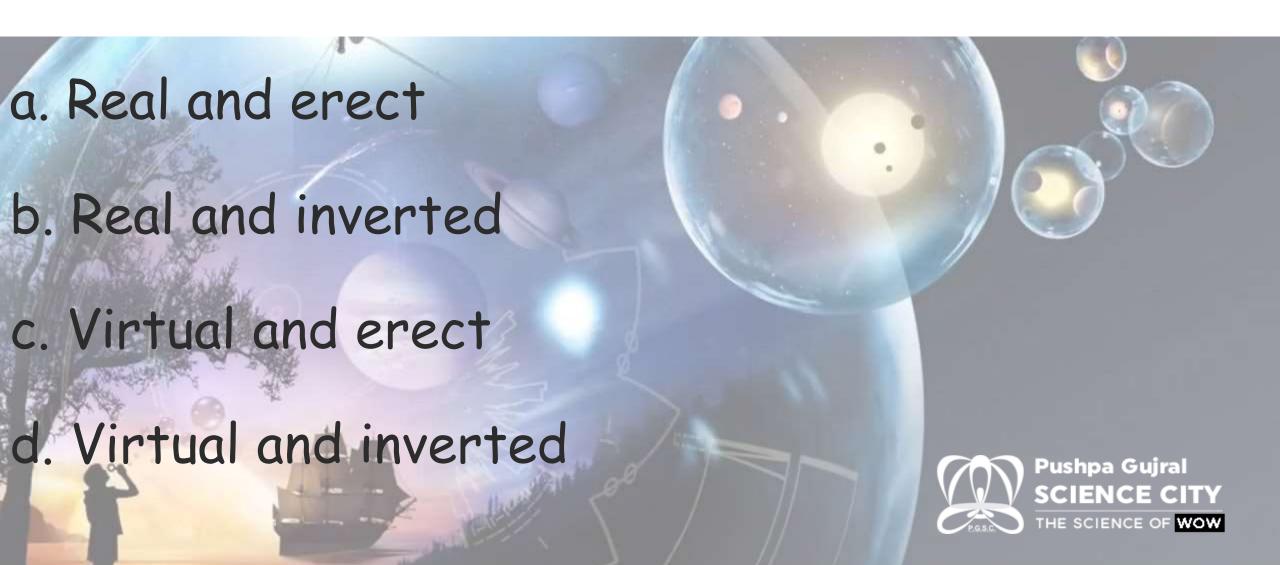


### 7. SPEED OF SOUND IN A MEDIUM DEPENDS UPON

- 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



#### 9. SOUND TRAVELS IN AIR IN THE FORM OF



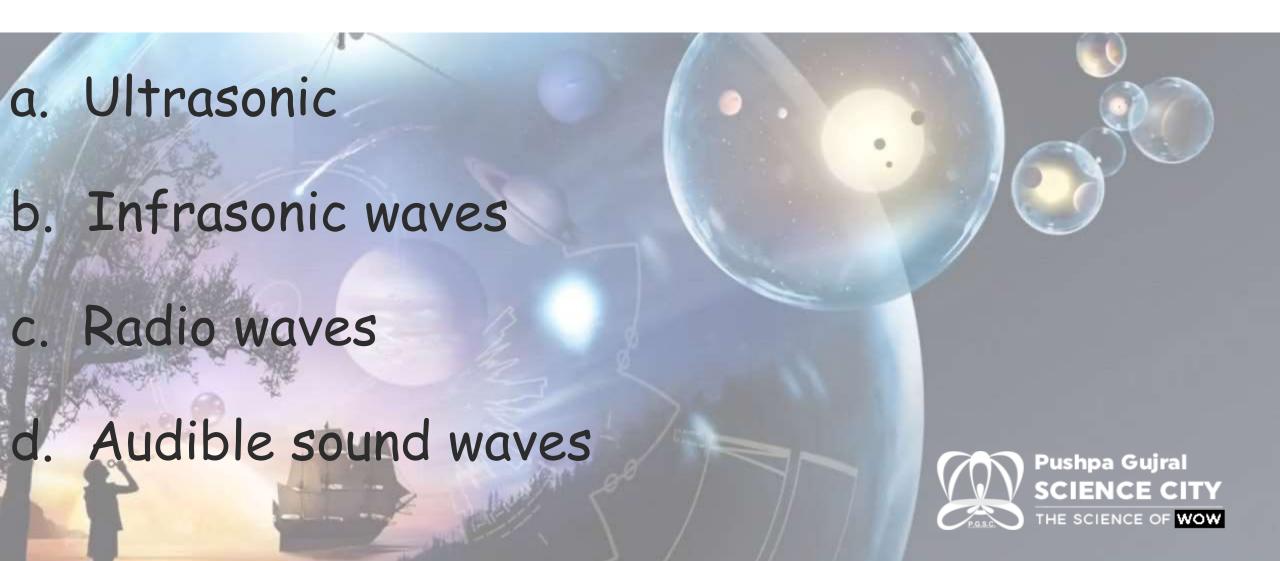
#### 10. ECHO IS DUE TO REFLECTION OF



## 11. WHICH OF THE FOLLOWING IS CARRIED BY THE WAVES FROM ONE PLACE TO ANOTHER



#### 12. IN SONAR, WAVES USED ARE



#### 13. INFRASOUND WAVES CAN BE HEARD BY



### 14. WHEN A BODY FALLS FREELY TOWARDS THE EARTH, THEN ITS TOTAL ENERGY



### 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



### 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



### 19. IN VACUUM ALL FREELY FALLING OBJECTS HAVE THE SAME



### 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 Pushpa Guiral

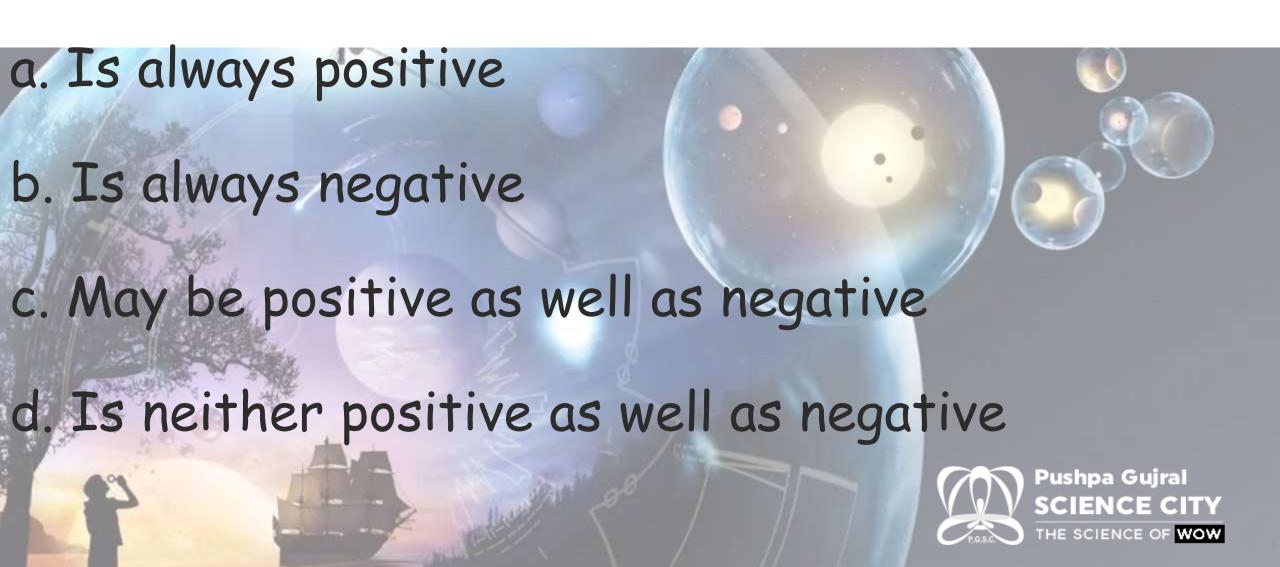
### 21. THE ATMOSPHERE IS HELD TO THE EARTH BY



## 22. AN OBJECT WHOSE POSITION WITH RESPECT TO SURROUNDINGS DOES NOT CHANGE IS SAID TO BE IN A STATE OF



#### 23. DISTANCE



## 24. A PASSENGER IN A MOVING TRAIN TOSSES A COIN WHICH FALLS BEHIND HIM IT MEANS THAT MOTION OF THE TRAIN IS

a. Accelerated

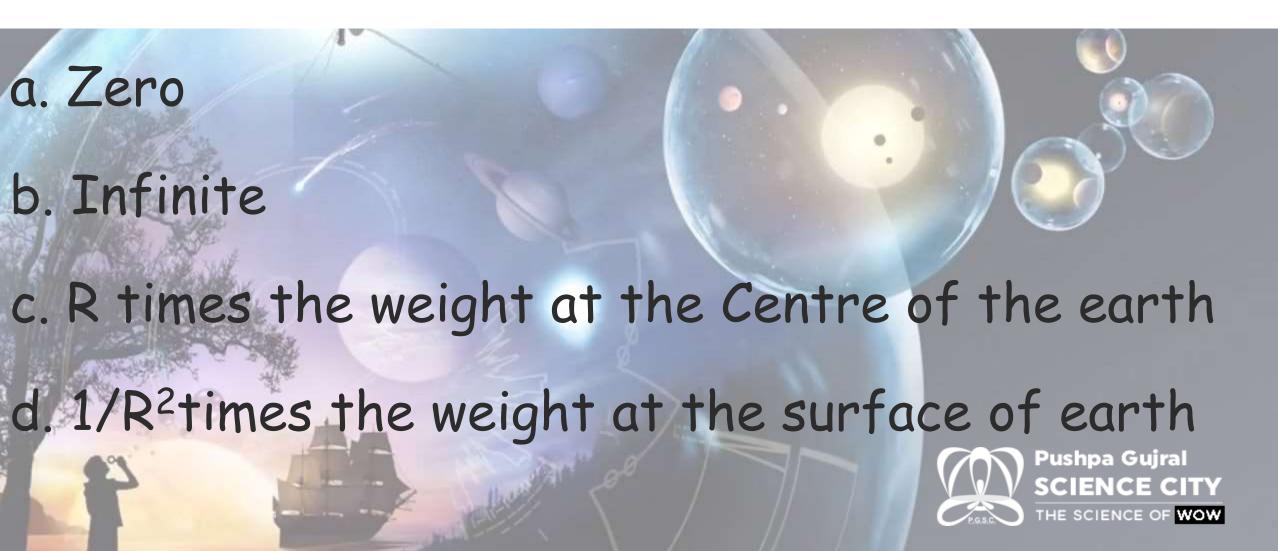
b. Uniform

c. Retarded

d. Along circular tracks



### 25. THE WEIGHT OF AN OBJECT AT THE CENTER OF THE EARTH OF RADIUS 'R' IS



#### **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

### **CHECKYOUR SCORE**

