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Dr. J. J. Magdum ITI college  
sambhajipur

February 2026

Question Paper

Duration: 40 Mins

Total Marks: 11

ID: ITISKILL7913WY

Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

1. Where the centre of gravity of a circle lies?  
A) Any where on its radius    B) Any where on its diameter  
C) At its centre    D) Any where on its circumference
2. Which state of equilibrium's example is A cone resting on its tip?  
A) Neutral    B) Unstable  
C) Horizontal    D) Stable
3. Which affects the centre of gravity of the object  
A) Weight    B) Mass  
C) Density    D) Shape
4. Which state of equilibrium's example is, A cone resting on its base?  
A) Neutral    B) Bothe A and B  
C) Un-stable    D) Stable
5. What is the centre of gravity of a semi circle of diameter 12 cm?  
A) 3.25 cm    B) 2.75 cm  
C) 2.54 cm    D) 2.24 cm
6. What is the centre of gravity of a solid hemisphere from its base?  
A)  $h/2$     B)  $h/3$   
C)  $h/4$     D)  $h/5$
7. Which one of the following geometrical shape's centre of gravity lies from its base is  $1/3$  of its height?  
A) Rhombus    B) Triangle  
C) Square    D) Cone
8. What is the centre of gravity of a sphere?  
A) On the circumference    B) At the radius  
C) At the diameter    D) At the centre
9. What is the name of the point at which all the weight of the body concentrated?  
A) Central point    B) Centroid  
C) Centre of gravity    D) Initial point
10. What is the centre of gravity of a rectangular body?  
A) Longer side of rectangle    B) At the corners  
C) At the point of intersection of its diagonals    D) Shorter side of rectangle
11. What is the centre of gravity of a right circular cone from its base?  
A)  $h/2$     B)  $h/3$   
C)  $h/4$     D)  $h/5$