

# Dr. J. J. Magdum ITI college sambhajipur

## ITI Quiz - 25-Feb-2026 02:17 PM

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Attempt No.	#1	Completion Time	03:46 PM
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9 SCORE

11 MAX MARKS

9 CORRECT

2 INCORRECT

### Answer Review

Q1 **INCORRECT** Which affects the centre of gravity of the object?

A. Weight

B. Mass

C. Density

D. Shape

Q2 **CORRECT** What is the name of the point at which all the weight of the body concentrated?

A. Initial point

B. Centre of gravity

C. Centroid

D. Central point

Q3 **CORRECT** Where the centre of gravity of a circle lies?

A. At its centre

B. Any where on its radius

C. Any where on its circumference

D. Any where on its diameter

Q4 **CORRECT** What is the centre of gravity of a right circular cone from its base?

A.  $h/2$

B.  $h/3$

C.  $h/4$

D.  $h/5$

Q5 **CORRECT** What is the centre of gravity of a rectangular body?

A. Longer side of rectangle

B. Shorter side of rectangle

C. At the point of intersection of its diagonals

D. At the corners

Q6 **INCORRECT** What is the centre of gravity of a solid hemisphere from its base?

A.  $4r/5$

B.  $3r/8$

C.  $3r/4$

D.  $r/2$

**Q7** **CORRECT** What is the centre of gravity of a sphere?

**A.** At the centre

**B.** On the circumference

**C.** At the diameter

**D.** At the radius

**Q8** **CORRECT** Which state of equilibrium's example is A cone resting on its tip?

**A.** Stable

**B.** Neutral

**C.** Unstable

**D.** Horizontal

**Q9** **CORRECT** Which one of the following geometrical shapes centre of gravity lies from its base is  $\frac{1}{3}$  of its height?

**A.** Square

**B.** Rhombus

**C.** Triangle

**D.** Cone

**Q10** **CORRECT** Which state of equilibrium's example is, A cone resting on its base?

**A.** Un-stable

**B.** Neutral

**C.** Stable

**D.** Bothe A and B

Q11 **CORRECT** What is the centre of gravity of a semi circle of diameter 12 cm?

A. 2.24 cm

B. 2.54 cm

C. 3.25 cm

D. 2.75 cm