

Govt. ITI Bidkalkatte

Monthly test -Jan 26

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Attempt No.	#2	Completion Time	10:39 AM
Rank	#14	Total Questions	11

9 SCORE

11 MAX MARKS

9 CORRECT

2 INCORRECT

Answer Review

Q1 **CORRECT** 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 **INCORRECT** 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