

Govt. ITI Bidkalkatte

Monthly test -Jan 26

Q. ID: ITISKILL9999E9 | January 2026

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Student Name	Harsha	Access Code	9903
Attempt No.	#3	Completion Time	02:04 PM
Rank	#5	Total Questions	11

11 SCORE

11 MAX MARKS

11 CORRECT

0 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 CORRECT 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