

GOVT ITI VITTLA

Monthly Test workshop calculation and science December 2025

Q. ID: ITISKILL8158WW | December 2025

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Attempt No.	#1	Completion Time	01:54 PM
Rank	#9	Total Questions	10

8 SCORE

10 MAX MARKS

8 CORRECT

2 INCORRECT

Answer Review

Q1 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

Q2 INCORRECT 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

Q3 **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. $h/5$

Q4 **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

Q5 **INCORRECT** What is the centre of gravity of a solid hemisphere from its base?

A. $4r/5$

B. $3r/8$

C. $3r/4$

D. $r/2$

Q6 **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

Q7 **CORRECT** Which state of equilibrium's example is A cone resting on its tip?

A. Stable

B. Neutral

C. Unstable

D. Horizontal

Q8 **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

Q9 **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

Q10 **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