# GOVT ITI VITTLA

## Monthly Test workshop calculation and science NOVEMBER 2025

Q. ID: ITISKILL9551FE | November 2025

**90.00%** 9 / 10

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|---|---|---|---|
| Attempt No. | #1 | Completion Time | 01:36 PM |
| Rank | #4 | Total Questions | 10 |

| **9** SCORE | **10** MAX MARKS | **9** CORRECT | **1** INCORRECT |
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## 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** **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 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