

Monthly Test workshop calculation and science December 2025

Q. ID: ITISKILL8158WW

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GOVT ITI VITTLA

Question Paper

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Score: 8/10 (80.00%)

Code: 6286

1. What is the name of the point at which all the weight of the body concentrated?
- A) Initial point **B) Centre of gravity (Correct)**
C) Centroid D) Central point
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2. 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 (Incorrect)
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3. What is the centre of gravity of a right circular cone from its base?
- A) $h/2$ B) $h/3$
C) $h/4$ (Correct) D) $h/5$
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4. 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 (Correct) D) At the corners
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5. What is the centre of gravity of a solid hemisphere from its base?
- A) $4r/5$ **B) $3r/8$**
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6. What is the centre of gravity of a sphere?
- A) At the centre (Correct)** B) On the circumference
C) At the diameter D) At the radius
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7. Which state of equilibrium's example is A cone resting on its tip?
- A) Stable B) Neutral
C) Unstable (Correct) D) Horizontal
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8. 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 (Correct) D) Cone
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9. Which state of equilibrium's example is, A cone resting on its base?
- A) Un-stable B) Neutral
C) Stable (Correct) D) Bothe A and B
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10. What is the centre of gravity of a semi circle of diameter 12 cm?
- A) 2.24 cm **B) 2.54 cm (Correct)**
C) 3.25 cm D) 2.75 cm
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