Student: Shrishaila
Score: 6/25 (24.00%)   **Code: 9327**

1. Which affects the centre of gravity of the object?

A) Weight   **B) Mass**

C) Density (Incorrect)   D) Shape

2. 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

3. Where the centre of gravity of a circle lies?

A) At its centre   B) Any where on its radius (Incorrect)

C) Any where on its circumference   D) Any where on its diameter

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

5. What is the centre of gravity of a solid hemisphere from its base?

A) 4r/5   **B) 3r/8**

C) 3r/4 (Incorrect)   D) r/2

6. What is the centre of gravity of a sphere?

A) At the centre   B) On the circumference (Incorrect)

C) At the diameter   D) At the radius

7. Which state of equilibrium's example is A cone resting on its tip?

A) Stable   B) Neutral

C) Unstable   D) Horizontal (Incorrect)

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 (Incorrect)

C) Triangle   D) Cone

9. Which state of equilibrium's example is, A cone resting on its base?

A) Un-stable (Incorrect)   B) Neutral

C) Stable   D) Bothe A and B

10. 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 (Incorrect)

11. Which affects the centre of gravity of the object

A) Weight   **B) Mass**

C) Density (Incorrect)   D) Shape

12. 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 (Incorrect)

13. Where the centre of gravity of a circle lies?

A) At its centre (Correct)   B) Any where on its radius

C) Any where on its circumference   D) Any where on its diameter

14. 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

15. What is the centre of gravity of a rectangular body?

A) Longer side of rectangle   B) Shorter side of rectangle (Incorrect)

C) At the point of intersection of its diagonals   D) At the corners

16. 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 (Incorrect)

17. 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

18. Which state of equilibrium's example is A cone resting on

its tip?

   A) Stable   B) Neutral

   C) Unstable   D) Horizontal (Incorrect)

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19. Which state of equilibrium's example is, A cone resting on its base?

   A) Un-stable (Incorrect)   B) Neutral

   C) Stable   D) Bothe A and B

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20. 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 (Incorrect)   D) 2.75 cm

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21. What is the term, if an article is purchased?

   A) Selling price   **B) Cost price**

   C) Margin price   D) Discount price (Incorrect)

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22. Which is the short form of profit and loss statement?

   A) P & L (Correct)   B) PR & LS

   C) PRO & LOS   D) L & P

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23. What is the profit amount, if the i - phone cost price is Rs.50000/- and selling price is Rs.70000/-?

   A) Rs. 2000/-   B) Rs. 10000/- (Incorrect)

   C) Rs. 20000/-   D) Rs. 50000/-

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24. What is the simple interest for the principal amount of Rs.100000 at 10% per annum for 1 year period?

   A) Rs.1000/- (Incorrect)   B) Rs.5000/-

   C) Rs.50000/-   **D) Rs.10000/-**

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25. What is the difference between the simple and the compound interest amount at 5% per annum for 2 years on a principal of Rs.20000/-?

   A) Rs.5   B) Rs.25 (Incorrect)

   C) Rs.50   D) Rs.55