

Student: SHASHANK

Score: 6/6 (100.00%)

Code: 5508

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

2. 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

3. 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

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

- A) Stable B) Neutral
C) Unstable (Correct) D) Horizontal

5. Which one of the following geometrical shape's centre of gravity lies from its base is $\frac{1}{3}$ of its height?

- A) Square B) Rhombus
C) Triangle (Correct) D) Cone

6. 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