

Student: ROHITH P

Score: 6/6 (100.00%)

Code: 0981

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