

Student: MOHITH KUMAR

Score: 4/6 (66.67%)

Code: 3311

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

B) Any where on its radius

C) Any where on its circumference (Incorrect)

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

D) At the corners (Incorrect)

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