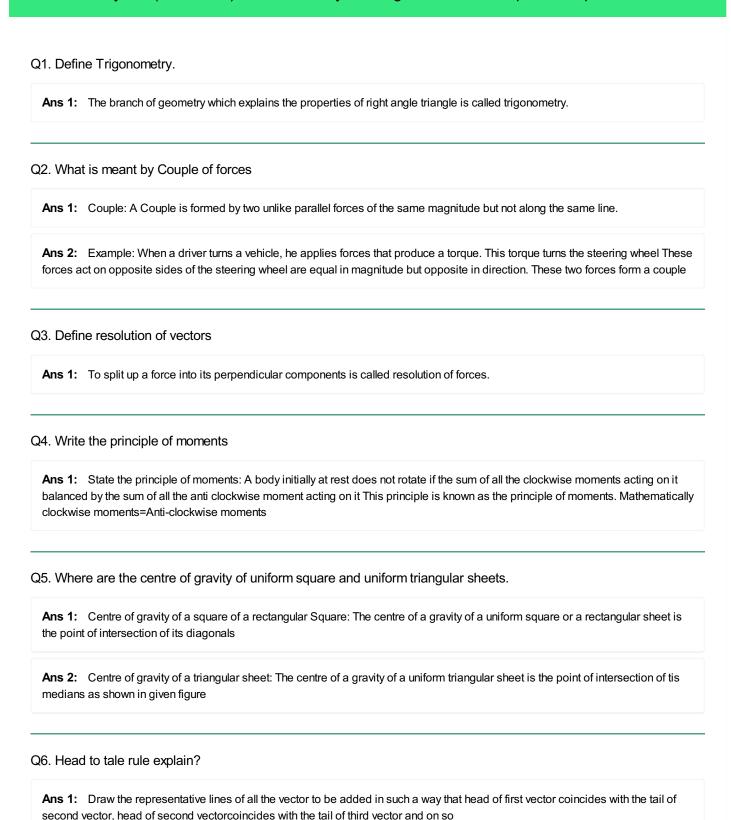


Physics (New Book) - 9th Class Physics English Medium Chapter 4 Preparation



Q7. Define center of gravity

Ans 1: Resultant vector: A resultant vector is a single vector that the same effect as the combined effect of all the vectors be added

Ans 2: Centre of gravity: A point where the whole weight of the body appears to act vertically downward is called center of gravity of a body

Q8. Define rigid body and give an example.

Ans 1: Rigid body is composed of large number of particles. If the distance between all pairs of particles of the body do not change by applying a force, then it is called a rigid body. Example: Adoor, a cylinder.

Q9. Define couple and couple arm?

Ans 1: A couple is formed by two unlike parallel forces of the same magnitude, but not along the same line

Ans 2: Couple arm:

The perpendicular distance "r" between the two forces of the couple.

Q10. Why a body regain its previous state in stable equilibrium

Ans 1: Because in stable equilibrium its centre of gravity is at the lowest position