

# Engineering Mechanics Coplanar Force

Module 16: Single Force Resultants-Coplanar System ...

**Chapter 2 - Force Vectors** System of concurrent force-Problem 1|Engineering Mechanics| Problem No.1 | On Resultant of Coplanar Concurrent Forces | Prime Course Equilibrium Of Coplanar Force Systems Part I – Mechanics – FBD – Beams – Loads – Supports – Solved

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 Coplanar forces means the forces in a plane. When several forces act on a body, then they are called a force system or a system of forces. In a system in which all the forces lie in the same plane, it is known as coplanar force system.  
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 Resultant Of Concurrent Coplanar Forces. Engineering mechanics is that branch of science which deals with the system of forces, effect produced by these forces on rigid object. Mechanics can be divided into two main branches - Statics and Dynamics. Statics is that branch of Engineering mechanics, which deals with the study of system of forces and effect produced by these forces on rigid bodies, which are at rest and remains at rest.  
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 Coplanar forces. When a set of forces lie in the same plane, that set of forces will be termed as coplanar force system. The line of action of all the forces in coplanar force system will lie in a single plane. Fig: Coplanar force system.  
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