

Module I: FORCES AND MOMENT

Session 5

Short questions

1. State law of transmissibility of a force.
2. State parallelogram law of forces.
3. Discuss different force systems.
4. How to completely specify a force?
5. Distinguish clearly between resolution of forces and composition of forces.
6. What are the methods for finding out the resultant force for a given system of forces?
7. State triangle law of forces and polygon law of forces.
8. Explain clearly the procedure for finding out the resultant force analytically of several forces.
9. What are the angles between two forces to make their resultant a minimum and maximum respectively?
10. Classify the following quantities into scalar and vector quantities: mass, displacement, momentum, area, volume, velocity, work, energy, weight, speed, temperature and force.