1. What are the different phases of the given substance and when they are co-exist? How they are related to density? Explain using two to three examples.
2. Write down what is group and phase velocity. Give the difference between them with an example.
3. A ball is moving on ply with constant velocity or may have an acceleration. It falls from the end of the ply. When the ball is fall on the ground, does it fall straight? Why?
4. Explain mechanism of force acting of car’s tire while taking steep turn.
5. Calculate the acceleration directly from moon’s orbital speed and the Earth-moon distance.