

Quadrant II – Transcript and Related Materials

Programme: Bachelor of Science (Third Year)

Subject: Physics

Paper Code: PYC 105

Paper Title: DSC: Classical Mechanics & Thermal Physics – Section I

Unit: Motion of System of Particles

Module Name: Two body problem and reduction to equivalent one body problem

Module No: 05

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Glossary of terms/words:

Centre of mass : a point representing the mean position of the matter in a body or system.

Possible misconceptions/clarification

Bodies to be treated as point masses or particle :

This does not imply that a body is small; it may be that the distance between the two bodies is much greater than the size of either body as in planetary motion.

Case Studies and Additional Examples/Illustrations