Subject : Mathematics

Teacher name: Dr Rajesh, Paper 3 Semester 6th

April 2021

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| Velocity and acceleration along radial, transverse, tangential and normal directions. Relative velocity and acceleration. Simple harmonic motion. Elastic strings. |

May 2021

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| Mass, Momentum and Force. Newton’s laws of motion. Work, Power and Energy.Definitions of Conservative forces and Impulsive forces. |

June 2021

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| Motion on smooth and rough plane curves. Projectile motion of a particle in a plane. Vector angular velocity. |

July 2021

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| General motion of a rigid body. Central Orbits, Kepler laws of motion. Motion of a particle in three dimensions. Acceleration in terms of different co-ordinate systems. |