SUBJECT NO-ME60402, SUBJECT NAME- Advanced Mechanics of Solids
LTP- 3-1-0,CRD- 4

SYLLABUS :-

Shear centre and unsymmetrical bending. Beam columns; Beams on elastic foundations; curved beams, Rotating discs and thick cylinders, virtual work; Minimum Potential energy; Hamiltons Principle. Plate Theory: Formulation by Hamiltons principle : Bending and buckling of homogeneous and Sandwich Plates. Shell theory: Introduction to theory of surface; Formulation by Hamiltons Principle; membrane, bending and buckling analysis of shells of revolution.