

SYLLABUS :-

Road making aggregates - classification, properties of aggregates, design of aggregate gradation. Bituminous road binders - penetration grade, emulsions, cut backs and modified binders. Rheology of bituminous binders, modified binders, Mix design - Marshall method and Superpave procedure. Design of emulsified mixes, Visco-elastic and fatigue properties of bituminous mixtures, resilient modulus of pavement materials. requirements of paving concrete, design of mixes for recycling of bituminous and concrete pavement surfaces. Soil stabilization techniques.