

Syllabus for Entrance Examination – M. E. in Plastics Engineering

2024-25

Syllabus for students with B.E./ B. Tech. Degree in Polymer/Plastics Engineering

Processing of plastics, Plastics product testing and Design, Design of injection moulds, polymeric composites, Extruder dies, Plastic processing machinery and its specifications, Polymer chemistry,

Basic concepts of Engg mechanics and strength of materials, Basic concepts of Heat and Mass transfer, Rheology of plastics, Thermodynamics.

Syllabus for students with B.E./B. Tech. Degree in Mechanical/Production Engineering

Engineering mechanics, Strength of materials, Theory of machines, Machine design, Fluid mechanics,

Heat transfer, Thermodynamics, Refrigeration and air conditioning, Thermal engineering.

Syllabus for students with B.E./ B. Tech. Degree in Chemical Engineering

Engineering Mechanics and strength of materials, Thermodynamics, Heat and mass transfer, Chemical reaction engineering, Instrumentation and Process control, Process equipment design and drawing, Process calculations, Plant design and economics.