

# MECHANICAL ENGINEERING

## Compulsory Subjects

I C 402 Engineering Management  
MC 403 Mechanics of Solids  
MC 404 Mechanics of Fluids  
MC 405 Thermal Science and Engineering  
MC 406 Manufacturing Technology  
MC 407 Design of Machine Elements



## Optional Subjects

*(Any three from any one group)*

### Group I Thermal Engineering

MC 411 Refrigeration and Air-conditioning  
MC 412 Power Plant Engineering  
MC 413 Non-conventional Energy Systems  
MC 414 Internal Combustion Engines  
MC 415 Turbomachinery

### Group II Engineering Design

MC 421 Design of Mechanical Systems  
MC 422 Optimisation—Theory and Applications  
MC 423 Analysis and Synthesis of Mechanisms and Machines  
MC 424 Design of Machine Tools  
MC 425 Computer Aided Engineering Design

### Group III Manufacturing Engineering

MC 431 Manufacturing Science  
MC 432 Computer Aided Manufacturing  
MC 433 Tool and Die Design  
MC 434 Manufacturing Automation  
MC 435 Production Management



## Project Work

and

## Laboratory Experiments

[10 (ten) experiments are to be undertaken from the prescribed list]