



ESE 2027 GATE 2027 State Engg. 2027

Check List

Mechanical Engineering

All subjects are as per revised pattern of ESE, GATE and State Engg.

40
Books

Set-A : Technical Books (Theory with Solved Examples)

Sl.	Name of Books	Description
1.	Thermodynamics	Theory with Solved Examples
2.	Internal Combustion Engines	Theory with Solved Examples
3.	Heat Transfer	Theory with Solved Examples
4.	Refrigeration & Air Conditioning	Theory with Solved Examples
5.	Power Plant Engineering	Theory with Solved Examples
6.	Fluid Mechanics & Hydraulic Machines	Theory with Solved Examples
7.	Theory of Machines	Theory with Solved Examples
8.	Strength of Materials	Theory with Solved Examples
9.	Material Science	Theory with Solved Examples
10.	Production Engineering	Theory with Solved Examples
11.	Renewable Sources of Energy	Theory with Solved Examples
12.	Mechatronics & Robotics	Theory with Solved Examples
13.	Machine Design	Theory with Solved Examples
14.	Industrial and Maintenance Engineering	Theory with Solved Examples
15.	Engineering Mechanics	Theory and Practice Questions

Set-B : Workbooks

Sl.	Name of Books	Description
16.	Volume-1: Thermodynamics + RAC + Heat Transfer + Fluid Mechanics & Machines + Internal Combustion Engines + Power Plant Engineering	Workbook
17.	Volume-2: Theory of Machines + Industrial Engineering + Strength of Materials + Machine Design + Engineering Mechanics + Production Engineering + Material Science	Workbook
18.	Volume-3: Mechatronics & Robotics + Renewable Sources of Energy	Workbook
19.	Engg. Mathematics + Aptitude & Reasoning + General English	Workbook

Set-C : Text Books/Previous Solved Papers

Sl.	Name of Books	Description
20.	General English	Text Book with Practice Questions
21.	Engineering Mathematics for GATE and ESE Prelims	Text Book with Practice Questions
22.	Reasoning & Aptitude for GATE and ESE Prelims	Text Book with Practice Questions
23.	ESE Prelims Solved Papers Vol. - I	Previous Solved Papers
24.	ESE Prelims Solved Papers Vol. - II	Previous Solved Papers
25.	GATE : Previous Solved Papers	Previous Solved Papers

Set-D : General Studies & Engineering Aptitude ESE (Paper-1)

Sl.	Name of Books	Description
26.	Current Affairs Annual Issue Exclusively for ESE	Annual Edition Magazine (Digital Copy)
27.	General Principles of Design, Drawing, Importance of Safety	Theory with Solved Examples
28.	Standards and Quality Practices in Production	Theory with Solved Examples
29.	Basics of Energy and Environment	Theory with Solved Examples
30.	Basics of Project Management	Theory with Solved Examples
31.	Basics of Material Science and Engineering	Theory with Solved Examples
32.	Information and Communication Technologies (ICT)	Theory with Solved Examples
33.	Ethics and Values in Engineering Profession	Theory with Solved Examples

Set-E : Check List

Sl.	Name of Books	Description
34.	History	Theory with Practice Questions including previous years solved questions of UPPSC, BPSC, RPSC, MPPSC, MPSC, APPSC, OPSC, ESE and other exams.
35.	Polity	
36.	Geography	
37.	Economy	
38.	Environment	
39.	General Science	
40.	General Knowledge including Computer Applications	

