

ME : MECHANICAL ENGINEERING**Solutions to Topicwise Examination Questions****CONTENTS**

Chapter No.	Topic	Page No.
1.	Linear Algebra	1
2.	Calculus	7
3.	Vector Calculus	17
4.	Differential Equations	22
5.	Numerical Methods	29
6.	Probability and Statistics	31
7.	Engineering Mechanics	35
8.	Strength of Materials	46
9.	Theory of Machines	63
10.	Vibrations	75
11.	Design of Machine Elements	81
12.	Fluid Mechanics	91

Chapter No.	Topic	Page No.
13.	Heat-Transfer	105
14.	Thermodynamics	119
15.	Power Plant Engineering	130
16.	I.C. Engines	134
17.	Refrigeration and Air Conditioning	139
18.	Turbomachinery	143
19.	Engineering Materials	149
20.	Metal Casting	151
21.	Forming Processes	154
22.	Joining Processes	159
23.	Machining and Machine Tool Operations	161
24.	Metrology and Inspection	169
25.	Tool Engineering	172
26.	Computer Integrated Manufacturing	175
27.	Manufacturing Analysis	177
28.	Work-Study	179
29.	Production Planning and Control	182
30.	Inventory Control	185
31.	Operations Research	189

