

CONTENTS

SECTION I-GENERAL

1.1 Standard Units and Conversion Factors	3
1.2 Mathematical Tables	43
1.3 Mathematics	147
1.4 Mechanics	205
1.5 Dimensional Standards	264
1.6 Materials	329
1.7 Explosives and Ballistics	491
1.8 Workshop practice	510
1.9 Physical Data	545
1.10 British Standards	585

SECTION II-CIVIL AND CENERAL ENGINEERING

2.1 Structures and Bridges	665
2.2 Welding	776
2.3 Concrete and Reinforced Concrete	844
2.4 Piles, Breakwaters, and Marine Works	865
2.5 Soil Mechanics and Earthworks	892
2.6 Roads and Highways	932
2.7 Surveying and Levelling	945
2.8 Building Construction	1009
2.9 Gas Supply	1048
2.10 Hydraulics	1063
2.11 Water Supply and waterworks	1120
2.12 Sanitary Engineering	1136
2.13 Irrigation and Waterways	1145
2.14 Railroads	1166

SECTION III-MECHANICAL ENGINEERING

3.1 Steam Engineering	1203
3.2 Railway Engineering	1344
3.3 Power Transmission	1367
3.4 Journals and Bearings	1411
3.5 Marine Engineering	1499
3.6 Fuel	1471
3.7 Heating, Air-conditioning, and ventilation	1495
3.8 Refrigeration	1511

INDEX