## **Contents**

| 1.  | Introduction of Civil Engineering               | 3–5    |
|-----|---|--------|
| 2.  | Strength of Materials                           | 6–18   |
| 3.  | Structural Analysis                             | 19–28  |
| 4.  | RCC & Prestressed Concrete                      | 29–39  |
| 5.  | Design of Steel Structures                      | 40–52  |
| 6.  | CPM & PERT                                      | 53–68  |
| 7.  | Building Materials                              | 69–85  |
| 8.  | Soil Mechanics                                  | 86–98  |
| 9.  | Fluid Mechanics & Fluid Machines                | 99–108 |
| 10. | Environmental Engineering                       | 09–118 |
| 11. | Highway Engineering                             | 19–133 |
| 12. | Surveying                                       | 34–149 |
| 13. | Irrigation Engineering                          | 50–157 |
| 14. | Engineering Hydrology                           | 58–169 |
| 15. | Railway Engineering                             | 70–180 |
| 16. | Airport, Dock, Harbour & Tunnelling Engineering | 81–192 |