

## ELECTRICAL ENGINEERING

| SUBJECT NAME               | BOOK NAME                                   | AUTHOR   |
|----------------------------|---|--|
| 1: Engineering Mathematics | Higher Engg Mathematics                     | Dr. B. S. Grewal                                   |
|                            | Advance Engg Mathematics                    | Erwin Kreyszig                                     |
|                            | Advance Engg Mathematics                    | Dr. H.K. Dass                                      |
| 2: General Ability         | Quantitative & Verbal Reasoning             | R.S. Agrawal                                       |
|                            | Quantitative Aptitude Test                  | T. S. Jain   |
|                            | English Grammer                             | Wren & Martin                                      |
|                            | Vocabulary                                  | Barron's Book - Gre                                |
| 3: Network Analysis        | Network Analysis                            | Van Valkenburg                                     |
|                            | Engg Circuit Analysis                       | Hayt And Kimmerly                                  |
|                            | Fundamental Of Electric Circuit             | Alexander Sadiku                                   |
| 4: Electromagnetic Theory  | Elements Of Electromagnetic                 | Sadiku   |
|                            | Engg Electromagnetic                        | William Hayt                                       |
|                            | Antenna & Wave Propagation                  | K D Prasad   |
|                            | Electromagnetic Waves And Radiating Systems | E.C. Jordan & K.G. Balsain                         |
| 5: Signals And Systems     | Signals And Systems                         | Simon Hykin & Barry Van Veen                       |
|                            | Signals And Systems                         | Alan V. Oppenheim, Alan S. Willsky, S. Hamid Nawab |
|                            | Signals And Systems                         | Hwei Hsu   |
|                            | Digital Signal Processing                   | Proakis  |
|                            | Signals And Systems                         | B.P. Lathi   |
|                            | Signals And Systems                         | B.P. Lathi   |
| 6: Analog Electronics      | Analog And Digital Electronics              | Millman And Halkias                                |
|                            | Micro Electronic Circuit                    | Sedra & Smith                                      |
|                            | Micro Electronic Circuit Analysis & Design  | Donald Neamen                                      |
| 7: Communications System   | Modern Digital & Analog Comm. System        | B.P. Lathi   |

| SUBJECT NAME           | BOOK NAME  | AUTHOR                           |
|------------------------|--|----------------------------------|
|                        | Communication System   | Simon Haykin<br>Wiley            |
|                        | Electronic Communication System  | Kennedy                          |
|                        | Communication Theory   | Thomas Shekhar                   |
| 8: Control Systems     | Control Systems Engg   | Nagrath & Gopal                  |
|                        | Automatic Control System   | Benjamin C Kuo                   |
|                        | Modern Control System  | Katsuhiko Ogata                  |
| 9: Digital Electronics | Fundamental Of Digital Circuit   | Anand Kumar                      |
|                        | 8 Bit Microprocessor   | Vibhate Borale,<br>Technova Pub. |
|                        | Microprocessor<br>Architecture, Programming &<br>Application With The 8085 | Ramesh Gaonker                   |
|                        | Digital Electronics  | Morris Mano                      |
|                        | Digital System   | Tocci & Widmer                   |
|                        | Modern Digital Electronics   | R. P. Jain                       |
| 10: Electronic Devices | Integrated Electronic  | Millman And<br>Halkias           |
|                        | Solid State Electronic Devices   | Streetman<br>Banerjee            |
|                        | Semiconductor Physics And Devices  | Neamen                           |