Electronic Devices:
1) Streetman, Banerjee - "Solid State Electronic Devices"

Analog Circuits:
1) Robert Boylestad - "Electronic Devices and Circuit Theory"
2) Sedra and Smith - "Microelectronic Circuits" (Better follow 6th edition which is the latest.)

Networks:
1) Hayt and Kemmerly - "Engineering Circuit Analysis"

Digital Electronics:
1) Morris Mano - "Digital Logic Computer Design"
2) Tocci - "Digital Systems Principles and Applications" (Logic families and Data converters)

Signals and Systems:
1) Oppenheim, Willsky - "Signals and Systems"
2) Oppenheim, Schafer - "Discrete-Time Signal Processing" (DFT and FFT)

Communication Engineering:
1) Simon Haykin - "Communication Systems", 2nd Edition (Though there are some mistakes in this edition, analog communications is explained well in this book. For digital communications, go through the latest edition)

Control Systems:
1) Katsushiko Ogata - "Modern Control Engineering"
2) Norman Nise - "Control Systems Engineering" (Stability Analysis)
3) "Schaum's Outline of Feedback and Control Systems" (Polar and Nyquist plots)

Electro Magnetic Theory, Transmission Lines, Waveguides and Antennas:
1) Sadiku - "Elements of Electromagnetics"
2) Jordan and Balmain - "Electromagnetic Waves and Radiating Systems"
3) Harish and Sachidananda - "Antennas and Wave Propagation"

Engineering Mathematics:
1) "Higher Engineering Mathematics" by B.S.Grewal
   a) Solutions to differential equations
   b) Complex analysis
   c) Vector calculus
2) "Advanced Engineering Mathematics" by Erwyn Kreyszig
   a) Differential equations: Euler-Cauchy, existence and uniqueness of solutions: Wronskian and homogeneous linear ODEs
   b) Vector calculus: Change of variables in surface integrals
3) "Probability, Random Variables and Stochastic Processes" by Papoulis, Pillai
4) Calculus (Differential and Integral) by Shanti Narayan