Fundamentals of electric circuits (5th edition) – C.K. Alexander and M.N.O. Sadiku

Chapter 1

Example – **1-7.**

Practice Problem – **1-6.**

Exercise – **1-7, 11, 13, 15, 16, 18, 21-25.**

Chapter 2 (Equivalnet Resistance)

Example – **2, 5, 6, 7, 9, 10, 11, 13, 14.**

Practice Problem – **5, 6, 8, 9, 10, 11, 13.**

Exercise – **26, 30, 34, 38, 39, 41, 43, 45, 51, 53.**

Chapter 3

Example – **3,4 (Nodal Analysis), 5-7 (mesh Analysis).**

Practice Problem – **1-7.**

Exercise – **2, 4, 6, 10, 12, 15, 18, 23, 24, 25, 27, 30, 31(Nodal Analysis), 36, 38, 41, 42, 43, 44, 46, 49, 52, 60, 61(Mesh Analysis).**

Chapter 4

Example – **1, 3-7.**

Practice Problem – **3-7**.

Exercise - **8, 11, 12, 17, 18, 19(Superposition), 20, 23, 24, 15, 27, 28, 30 (Source transformation).**

Chapter 4 (Thevenin Theorem, Norton Theorem, Maximum Power Transfer Theorem)

Example- **8-13**

Exercise - **37, 38, 39, 41, 44, 47, 51, 52, 53, 54, 68**

Chapter 6

Exercise- **17, 46, 48, 51, 60**

Chapter 7

Example- **1-5, 10, 11, 12**

Exercise- **6, 9, 11, 39, 40, 43, 53, 54, 55, 57**

Chapter 9

Example- **1, 2, 4, 5, 6, 8, 9, 10, 11**

Exercise- **35, 39, 42, 44, 50, 52**

Chapter 10

Example- **1, 3, 5, 6, 7**

Exercise- **1, 4, 7, 9, 26, 31, 32, 46, 52**

N.B.- Also you may practice the related examples and exercises from the other two reference books (Introductory Circuit Analysis- R. L. Boylstad and Electric Circuits- J. Nilsson and S. Riedel) for better preparation.