

College of Engineering Technology Computer Science Department

Discrete Mathematics (Comp233)

It is highly recommended to solve the following list of questions.

Chapter 2:

Section 2.1, p 37: 4, 5, 15, 19, 24, 26, 33, 37, 42, 43, 49, 52, 54

Section 2.2, p 49: 2, 6, 10, 14(a), 15, 17, 22, 23, 25, 27, 31, 48, 50

Section 2.3, p 61: 9, 11, 12(b), 13

Chapter 3:

Section 3.1, p 106: 4, 6, 7(b,c), 10, 12, 16(b), 17(b), 19

Section 3.2, p 115: 2, 3(b,d), 4(b,d), 10, 14, 15, 17, 19, 23, 27, 40, 42

Section 3.3, p 128: 2, 11, 12, 14, 15, 21, 22, 31, 41, 46, 47, 48

Chapter 4:

Section 4.1, p 161: 5, 6, 10, 12, 13, 16, 27, 28, 32, 36, 46, 48, 49, 52, 54

Section 4.2, p 168: 10, 16, 17, 18, 19, 22, 23, 26

Section 4.3, p 177: 5, 13, 16, 21, 29, 31

Section 4.4, p 189: 2, 4, 6, 8, 9, 10, 17, 19, 21, 22, 24, 25, 35, 43

Chapter 5:

Section 5.1, p 242: 2, 4, 13, 15, 16, 18, 24, 25 34, 36, 42, 44, 45, 50, 52, 60, 63,64,67 70, 72, 74, 76 Section 5.2, p 256: 4, 5, 7, 11, 14, 16, 21, 23, 26, 27, 31 Section 5.3, p 266: 2, 7, 9, 10,17,18, 23

Chapter 6:

Section 6.1, p 349: 1(b,d,f), 7, 9(b,c), 10(f,g,h), 12, 16(b,c), 17(b,c,d,e,f), 20, 27(c,e), 30, 34(b,c), 35(c,d)

Section 6.2, p 364: 1(c), 7, 10, 15, 16, 21, 31,36

Section 6.3, p 372: 3, 8, 12, 13, 17, 20, 29, 32, 33, 34, 45

Chapter 7:

Section 7.1, p 393: 2, 6, 7, 9, 18, 19, 20, 41, 42, 43

Section 7.2, p 413: 1, 8, 12, 13, 17, 18, 23, 25, 27, 33, 35, 43

Chapter 8:

Section 8.1, p 448: 4, 6, 7, 11, 20, 23

Section 8.2, p 458: 10, 13, 14, 16, 21, 29, 34, 35, 37

Section 8.3, p 475: 9, 10, 15, 21, 22, 25, 27, 28, 42

Chapter 9:

Section 9.1, p 523: 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 19, 21, 22, 23, 24, 25, 26, 27, 28 Section 9.2, p 536: 12, 13, 14, 15, 18, 19, 22, 33, 36, 39, 42, 43 Section 9.3, p 549: 9, 13, 19, 22, 23, 34,35, Section 9.5, p 581: 8, 15, 17, 19, 21, 23, 25, 26, 27, 28 Section 9.6, p 590: 1, 3, 4, 8, 16, 17