4 Lecture - CS302

Important Mcqs

1.	 Which number system is commonly used in digital electronics? a) Decimal b) Binary c) Octal d) Hexadecimal Answer: b) Binary
2.	What is the base of the hexadecimal number system? a) 2 b) 8 c) 10 d) 16 Answer: d) 16
3.	What is the decimal equivalent of the binary number 101101? a) 41 b) 45 c) 53 d) 59 Answer: d) 59
4.	Which of the following is a BCD code for the decimal number 3? a) 0010 b) 0100 c) 0011 d) 0101 Answer: b) 0100
5.	What is the excess-3 code for the decimal number 5? a) 1000 b) 1010 c) 1100 d) 1110 Answer: d) 1110
6.	Which of the following is the most compact representation of the number 255 in binary? a) 11111111 b) 11111110 c) 11111100 d) 111111111
7.	Which code is used to represent alphanumeric characters in a computer?

a) ASCII

c) Gray d) Excess-3 Answer: a) ASCII 8. What is the octal equivalent of the binary number 101010? a) 22 b) 42 c) 52 d) 62 Answer: b) 42 9. Which of the following is a Gray code for the binary number 1001? a) 1100 b) 1110 c) 1111 d) 1011 Answer: d) 1011 10. What is the decimal equivalent of the octal number 77? a) 56 b) 63 c) 70 d) 73 Answer: b) 63

b) BCD