Olabisi Onabanjo University (OOU)

Course: IFT 211 – Introduction to Digital Logic & Design
Level: 200 Level (Computer Science)
Format: CBT (Multiple Choice Questions)

1. Digital electronics deals mainly with
A. Continuous signals
B. Discrete signals
C. Mechanical signals
D. Acoustic signals

2. The number system used by digital computers is
A. Decimal
B. Octal
C. Binary
D. Hexadecimal

3. The base of the binary number system is
A. 10
B. 8
C. 16
D. 2

4. Which of the following is NOT a binary digit?
A. 0
B. 1
C. 2
D. None

5. Which number system is also known as base-16?
A. Binary
B. Octal
C. Decimal
D. Hexadecimal

6. The binary equivalent of decimal 10 is
A. 1010
B. 1001
C. 1110
D. 1100

7. Which representation has the problem of double zero?
A. Two’s complement
B. One’s complement
C. Binary
D. BCD

8. The most widely used signed number representation in computers is
A. Sign-magnitude
B. One’s complement
C. Two’s complement
D. Excess-3

9. The one’s complement of 101010 is
A. 101010

B. 010101
C. 110101
D. 111111

10. Two’s complement of a binary number is obtained by
A. Adding 2
B. Adding 1 to one’s complement
C. Subtracting 1
D. Reversing bits only

Answer Key

1. B
2. C
3. D
4. C
5. D
6. A
7. B
8. C
9. B
10. B