



CLASS NOTES-ANSWERS

Assess Yourself

1) Tick (✓) the correct option.

a) Which of the following number systems is made-up of only two digits?

- | | |
|----------------------------|--------------------------|
| i) Decimal number system | iii) Octal number system |
| ii) Binary number system ✓ | iv) None of these |

b) Of which digits is the Octal Number System made-up.

- | | |
|-------------|---------------------|
| i) 0 to 7 ✓ | iii) 0 and 1 |
| ii) 0 to 9 | iv) Both (i) & (ii) |

c) Which of the following is also known as the base-16 system?

- | |
|----------------------------------|
| i) Octal number system |
| ii) Decimal number system |
| iii) Hexadecimal number system ✓ |
| iv) Binary number system |

d) Which of the following digits represents the ON state in the number system?

- | | |
|---------|-------------------|
| i) 0 | iii) - 1 |
| ii) 1 ✓ | iv) None of these |

e) The right-most digit of the number having the lowest weight is called

- | | |
|-----------|-------------------|
| i) MSD | iii) OSD |
| ii) LSD ✓ | iv) None of these |



f) What is the other name for base?

i) Radix ✓

iii) Radian

ii) Foundation

iv) Both (i) & (ii)

2) Fill in the blanks using the words from the help box.

ON, binary, base-2 system, 12, bit

a) A bit is a smallest unit of data represented in a computer.

b) The digit 1(one) represents the electronic state ON.

c) The binary number system is also known as base-2 system.

d) In the hexadecimal number system, the letter C = 12.

e) The computer system understands binary numbers.

3) Answer in one or two words.

a) What is a group of eight bits called?

Answer: Byte

b) What is the decimal number system also known as?

Answer: Base-10 system

c) Which number system uses symbols 0 to 9 and A to F?

Answer: Hexadecimal number system