ODM EDUCATIONAL GROUP
Changing your Tomorrow

NUMBER SYSTEM

CLASS VII

CH-1 PERIOD -4

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SECTION - A

A. Fill in the blanks.

1. The base of Binary number system is .....
2. The base of ..... system is 10.
3. Octal Number system consists of ..... digits.
4. In Binary addition, 1 + 1 equals to .....
5. ..... number system is understood by the computer system.

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6. ..... uses 16 symbols to represent numbers.

7. In Binary subtraction, 1-1 equals .....

HINTS • 0 • Binary • Decimal number • Hexadecimal • 2 • 8 • 10

B. State True or False.

1. You cannot perform arithmetical operations on binary numbers. ☐
2. The decimal number system consists of 10 digits i.e., 0 to 9. ☐
3. The method to perform division of two binary numbers is not the same as that of decimal numbers. ☐
4. 1 multiplied by 0 equals to 0. ☐
5. Charles Babbage introduced the concept of 0 (Zero). ☐
6. The numbers used in Octal number system are 1 to 7. ☐

SECTION - B

A. Multiple-choice questions.

1. ..... introduced the concept of 0 (Zero).

   a. Ada Lovelace b. Aryabhat c. Bill Gates

2. A ..... converts the decimal format into its binary equivalent.

   a. Digital Computer b. Cell Phone c. Abacus

3. A computer understands only ..... code.

   a. English b. French c. Binary

4. In Binary multiplication, 1x1 equals to .....

   a. 0 b. 1 c. 2

5. To convert Decimal number into Binary number, divide the number by .....

   a. 2 b. 8 c. 10

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B. Answer the following questions.

1. What is a Number system? Name the different types of number system used.

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2. What are the rules to convert a Decimal number into a Binary number?

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3. Write the rules to multiply two Binary numbers.

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4. Briefly explain the Octal number system.

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5. What do you understand by Hexadecimal Number System?

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THANKING YOU

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