Multiple choice questions

01. Octal number system is,

1. A positional system with weighs 0 to 9
2. A positional system with weighs 0 to 8
3. A positional system with weighs 0 to 7
4. A positional system with weighs 0 to 7

02. A single unit which is composed of small group of bits is known as

1. Bit
2. Nibble
3. Hertz
4. Byte

03. The 'megabytes' of computer storage capacity consists of

1. One million bytes
2. Two million bytes
3. Three million bytes
4. Four million bytes

04. In BCD code, maximum possible characters set size is

1. Character set of 64
2. Character set of 84
3. Character set of 94
4. Character set of 104

05. Why do we use the binary number system in Computing?

1. Because a CPU has two transistors
2. To represent the two different states of transistors
3. To allow the CPU to be in one of two states
4. All of the above

06. What is the 8 bit binary representation of 17?

1. 00010010
2. 00010001
3. 00001101
4. 00100010

07. The fastest data access is provided using

1. Caches
2. DRAM
3. SRAM
4. Registers

08. The reason for the implementation of the cache memory is,

1. To increase the internal memory of the system
2. The difference in speeds of operation of the processor and memory
3. To reduce the memory access and cycle time
4. All of the mentioned

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09. Process of converting data or information into the form which is readily available for processing is called,

1. Encoding 2. Decoding 3. Translating 4. Data organization

10. Process of converting data into a form that can be easily understand by people

1. Translating 2. Data organization 3. Encoding 4. Decoding

Part - II

01. Fill in the blanks

1. EBCDIC uses a…… bits while ASCII uses b…… bits before it was extended

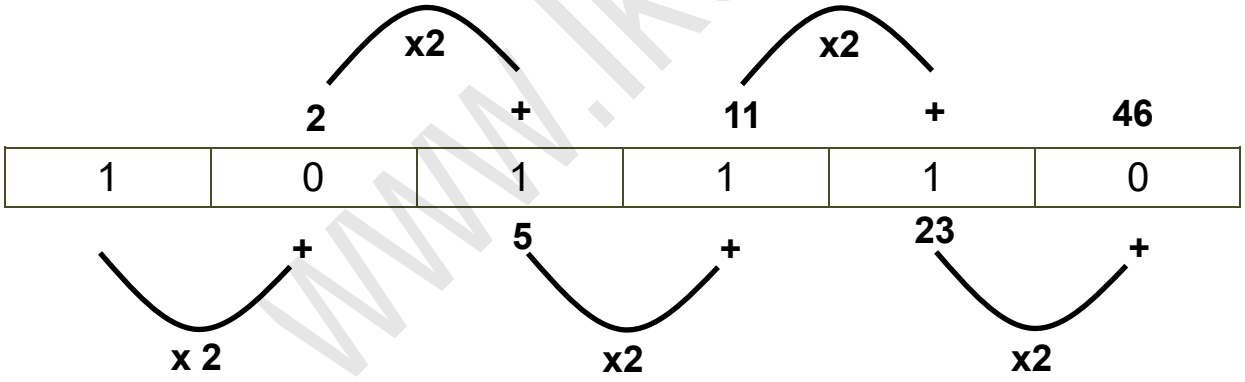
2. EBCDIC contained …….. (more / less) characters than ASCII

3. a. …… (EBCDIC/ASCII) uses a linear ordering of letters while b. ……..….. (EBCDIC/ ASCII) does not

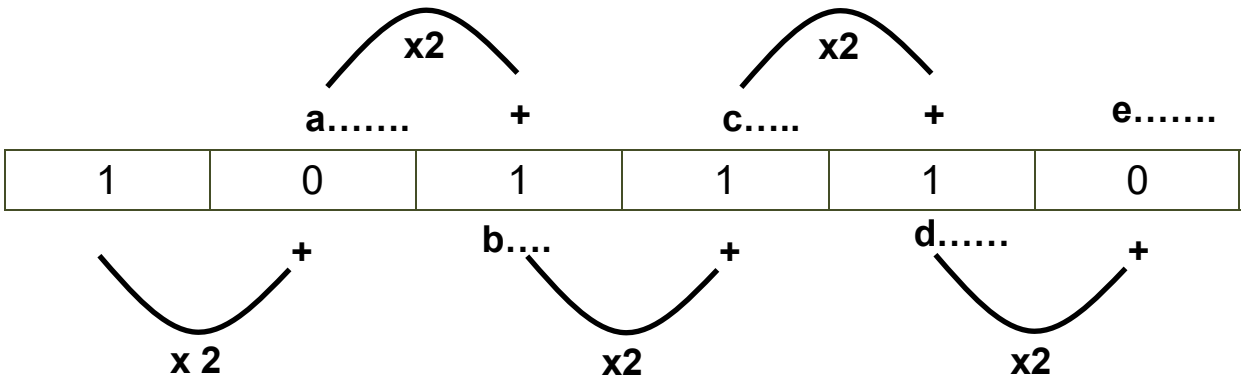
4. a. …….. (ASCII/EBCDIC) isn't compatible with modern encodings while b. ……... (ASCII/EBCDIC) is

02. The one of methods of converting binary to decimal number system is given below based on the that method, Fill in the blank below.

Eg:



Convert this binary number into decimal using the same method.



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