Linked Lists MCQs - C Programming Questions and Answers

1. In linked list representation, a node contains at least

[A] node address field, data field
[B] node number, data field
[C] next address field, information field
[D] none of the above

Answer & Explanation

Answer: Option [C]

2. Underflow condition in linked list may occur when attempting to

[A] insert a new node when there is no free space for it
[B] delete a non-existent node in the list
[C] delete a node in empty list
[D] insert a new node in the empty list

Answer & Explanation

Answer: Option [C]

3. Which of the following is true in case of a null pointer?

[A] Marks the end of a node
[B] Is equal to \'\0\' in C
[C] Is the address of some node
[D] Is also called the void pointer in C

Answer & Explanation

Answer: Option [A]

4.
To find out maximum element in a list of $n$ numbers, one needs at least

[A] $n$ comparisons

[B] $n-1$ comparisons

[C] $n(n-1)$ comparisons

[D] $2n-1$ comparisons

Answer & Explanation

**Answer: Option [B]**

5.

An array $A[15][20]$ is stored in memory. Each element is of integer type. If the base address is 600 determine the address of $A[8][13]$ when the array is stored as row major wise

[A] 746

[B] 946

[C] 1146

[D] None of the above

Answer & Explanation

**Answer: Option [B]**