1. What is the value of the postfix expression 6 3 2 4 + − *?

-18

$$2 + 4 = 6$$

$$3 - 6 = -3$$

$$6 * -3 = -18$$

    a. 1
    b. 40
    c. 74
    d. -18

Answer: d

2. The following postfix expression with single digit operands is evaluated using a stack: 8 2 3 ^ / 2 3 * + 5 1 * - Note that ^ is the exponentiation operator. The top two elements of the stack after the first * is ___

6
1

$$2^3 = 8$$
$$8/8 = 1$$
$$2*3 = 6$$

    a. 6,1
    b. 5,7
    c. 3,2
    d. 1,5

Answer: a

3. Which of the following statement is not correct?
    a. Linked list is a dynamic data structure
    b. Linked list takes more space to store n elements of array
    c. Linked list elements can be accessed more efficiently than array
    d. None of the above

Answer: c

4. Which of the following is correct syntax for creating a node in linked list?
    a. struct node newnode = (struct node*)malloc(sizeof(struct node));
    b. struct node *newmode = (struct node)malloc(sizeof(struct node));
    c. struct node *newmode = (struct node *)malloc(sizeof(struct node));
    d. None of the above

Answer: c