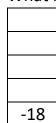
1. What is the value of the postfix expression 6 3 2 4 + - \*?



- 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:  $8\ 2\ 3\ ^/\ 2\ 3\ ^*\ +\ 5\ 1\ ^*\ -\ Note that ^ is the exponentiation operator. The top two elements of the stack after the first * is ____$ 



- 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

