Assignment of objective questions

1. Is "holes" are allowed in Array during initialization of the array

a. Yes

b. Yes, in Turbo Compiler only.

c. Yes, in Modern Compiler only.

d. No, it will be an Error

2. Predict the output

int arr[5] = {10, 20, 30, 40, 50,60};

a. Yes, we can access all the 6 indexes

b. Yes, but we can access only the first 5 indexes

c. Yes, but we can access only the last 5 indexes

d. No, it will be an Error

3. Predict the output

int arr[5] = {1, 2, 3, 4, 5}, i;

for(i = 0; i <= 5; i++)

printf("%d : %d\n", i, arr[i]);

a. Print all the array elements

b. Not even compile Syntax Error

c. Not Run completely Run Time Error

d. Unpredictable Behavior

4. How many-dimensional array we have in C language in Turbo Compiler?

a. 2-Dimensional array only

b. up to 4-Dimensional Array only

c. up to 8-Dimensional Array only

d. up to 16-Dimensional Array only

5. Which of the following is the correct syntax of declaration of the 2-dimensional array?

a. <data\_type> <array\_name> [<row\_size>][<column\_size>];

b. <data\_type> <array\_name> [<row\_size>][<column\_size>]

c. <data\_type> <array\_name> <row\_size> , <column\_size>;

d. <data\_type> <array\_name> <row\_size>; <column\_size>;

6. The 2-Dimensional array also allocates space in RAM in continuous form?

a. Yes

b. No

c. In Matrix Form

d. In Linked List Form

7. Predict the output

int arr[3][4];

arr[0] = 25;

a. Yes, Run but with unpredictable output

b. Yes, Run with Runtime Error

c. No, Run Time Error

d. No, Syntax Error

8. Which of the following is the correct syntax of accessing 2-Dimensional Array

a. <array\_name> [<row\_index>][<column\_index>] = <value>;

b. <array\_name> <row\_index>, <column\_index> = <value>;

c. <array\_name> <row\_index>; <column\_index> = <value>;

d. <array\_name> <row\_index> . <column\_index> = <value>;

9. What is the output of the following code?

#include <stdio.h>

main()

{

int x, k, a[] = {1, 2, 3};

for(x = 1; x < 5; x++)

{

k = x % 3;

a[k]++;

}

printf("%d %d %d", a[0], a[1], a[2]);

}

a. 3 4 5

b. 2 4 4

c. 2 3 4

d. 2 4 5

10. What is the output of the following program?

#include <stdio.h>

main()

{

int a[] = {1, 2, 3};

printf("% %d", a[0], 1[a]);

}

a. 1 2

b. 1 1

c. Error

d. 2 1

11. Find the output of the following program

#include <stdio.h>

main()

{

int k, x, y, a[] = {21, 2, 13};

for(x = 0; x < 2; x++)

for(y = x + 1; y < 3; y++)

if(a[x] > a[y])

{

k = a[x];

a[x] = a[y];

a[y] = k;

}

printf("%d %d %d", a[0], a[1], a[2]);

}

a. 21 2 13

b. 2 21 13

c. 13 2 21

d. 2 13 21

12. Find the output of the following program

#include <stdio.h>

main()

{

int x, y = 0, a[] = {11, 34, 21, 2, 13};

for(x = 0; x < 5; x++)

if(y < a[x])

y = a[x];

printf("%d", y);

}

a. 34

b. 43

c. 2

d. 21

13. What will happen if in a C program you assign a value to an array element whose subscript exceeds the size of the array?

a. The element will be set to 0

b. The compiler would report an error

c. The array size would appropriately grow

d. The program may crash if some important data gets overwritten.

14. Find the output of the following program

#include <stdio.h>

main()

{

int x[4];

printf("%d %", sizeof(x), sizeof(x[0]));

}

a. 8 2

b. 2 2

c. 8 8

d. Error

15. Which is the correct declaration of a two-dimension array

a. int a[3][] = {2, 3, 4, 6, 7, 8, 9};

b. int a[][] = {2, 3, 4, 6, 7, 8, 9};

c. int a[][4] = {2, 3, 4, 6, 7, 8, 9};

d. All are correct

16. Consider the following declaration

int a[3][4][5] = {22, 34, 5, 6, 1, 0, 55, 4};

Which of the following statement is incorrect?

a. Total memory occupied by the array is 120 bytes

b. There are 3 two dimensional arrays, each is an array of 4 arrays of 5 int blocks.

c. Value of a[0][1][2] is 0

d. Value of a[0][1][1] is 55

17. Find the output of the following program

#include <stdio.h>

int main()

{

int arr[5];/\*Assume that base address of arr is 2000 and size of integer is 32 bit\*/

arr++;

printf("%u", arr);

return 0;

}

a. 2002

b. 2004

c. 2020

d. Lvalue required

18. Find the output of the following program

int main()

{

int i;

int arr[5] = {1};

for(i = 0; i < 5; i++)

printf("%d ", arr[i]);

return 0;

}

a. 1 followed by four garbage value

b. 1 0 0 0 0

c. 1 1 1 1 1

d. 0 0 0 0 0

19. Is the following declaration of two-dimension array is correct?

int b[][3] = {12, 65, 78, 45, 33, 21};

a. Yes

b. No, Syntax Error

c. NO, Runtime Error

d. Compile, but the unpredictable output

20. Is the following declaration of two-dimension array is correct?

int b[2][] = {12, 65, 78, 45, 33, 21};

a. Yes

b. No, Error

c. NO, Runtime Error

d. Compile, but the unpredictable output