1. What is the output of following program?

# include <stdio.h>

int main()

{

char str1[] = "IntroToCProg";

char str2[] = { 'I', 'n', 't', 'r', 'o', 'T', 'o', 'C', 'P','r','o','g'};

int n1 = sizeof(str1)/sizeof(str1[0]);

int n2 = sizeof(str2)/sizeof(str2[0]);

printf("n1 = %d, n2 = %d", n1, n2);

return 0;

}

Options:

a) n1=12 n2=13

**b) n1=13, n2=12**

c) n1=12, n2=12

d) n1=13, n2=13

2. #include <stdio.h>

int main()

{

char str[10] = "hello";

char \*str1 = "world";

strncat(str, str1, 9);

printf("%s", str);

}

Options:

**a) helloworld**

b) Undefined behaviour

c) helloworl

d) hellowor

3. If the two strings are identical, then strcmp() function returns

Options:

a) 1

**b) 0**

c) -1

d)true

4. What does the following fragment of C-program print?

char c[] = "CPROG2018";

char \*p =c;

printf("%s", p + p[4] - p[0]) ;

(A) CPROG2018

(B) 2018

**(C) G2018**

(D) 018

5. #include<stdio.h>

int main()

{

char t;

char \*p1 = "India", \*p2;

p2=p1;

p1 = "Bharat";

printf("%s %s\n", p1, p2);

return 0;

}

a) India Bharat

**b) Bharat India**

c) India India

d) Bharat Bharat

6. union employee

{

int empId;

char ename[14];

float sal;

};

int main()

{

printf("%d", sizeof(union employee));

return 0;

}

Predict the output of above program. Assume that the size of an integer is 4 bytes and size of character is 1 byte and float is 4 byte.

(A) 12

**(B) 16**

(C) 8

(D) Compiler Error

7. Comment on the 3 arrays regarding A and B:

1. int \*a[8];

2. int \*(b)[8];

3. int \*(c[8])

3. A. Array of pointers

4. B. Pointer to an array

**a) a is A, b is B, c is A**

b) a is A, b is A, c is A

c) a is B, b is B, c is B

d) a is B, b is A, c is B

8. What is the output of this C code?

#include<stdio.h>

int main()

{

const int ar[4]={11,22,33,44};

int \*ptr;

ptr=ar+3;

\*ptr=55;

printf(“%d\n”,ar[3]);

return 0;

}

a) 44

b) Compile time error

**c) 55**

d) 33

9. What is the output of this C code?

#include<stdio.h>

int main()

{

char \*s=”Welcome To C Prog”;

char \*p=s;

printf(“%c\t%c”,1[p],s[1]);

return 0;

}

a) W W

b) Run time error

**c) e e**

d) l l

10) What is the output of program?

#include<stdio.h>

int main()

{

printf(5+”Good Morning”);

return 0;

}

a) Good Morning

**b) Morning**

c) M

d) Good

11) Which standard library function will you use to find the last occurrence of a character in a string in C?

a. strnchar()

b. strchar()

c. strrchar()

**d. strrchr()**

12) Which operator connects the structure name to its member name?

a) **-**

**b) . (Ans)**

c) **->**

d) **:**

13) Number of bytes in memory taken by the below structure is?

struct test

{

int k;

char c;

}

a) 5

b) 4

**c) 8**

d) 6

14) What will be printed after execution of the following code?

int main()

{

int arr[10]={1,2,3,4,5};

printf(“%d”,arr[5])

return 0;

}

a) garbage value

b) 5

c) 6

**d) 0**

15) What will be the output of the program ?

#include<stdio.h>  
int main()  
{  
float arr[] = {12.4, 2.3, 4.5, 6.7};  
printf(“%d”, sizeof(arr)/sizeof(arr[0]));  
}

a) 5

**b) 4**

c) 6

d) 7

16)

|  |
| --- |
| Which of the following function is more appropriate for reading in a multi-word string? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | printf(); | | [**B.**](javascript:%20void%200;) | scanf(); | | [**C.**](javascript:%20void%200;) | **gets();** | | [**D.**](javascript:%20void%200;) | puts(); | |

17) 2.What would be the output of the following program?  
int main()  
{  
char str1[] = "Hello";  
char str2[] = "Hello";  
if(str1 == str2)  
printf("\n Equal");  
else  
printf("\nUnequal");  
}

a) Equal

**b) Unequal**

c) Compile time error

d) Run time Error

18) What will be the output:

int main()

{

char ch = 'A';

printf("%d,%d,%d", sizeof(ch), sizeof('A'),sizeof("A"));

return 0;

}

a) 1,1,1

**b) 1,4,2**

c) 4,1,1

d) 4,4,4

19) **Which of the following function compares 2 strings with case-insensitively?**

a) strcmp(s,t)

b) strcmpcase(s,t)

**c) strcasecmp(s,t)**

d) strchr(s,t)

20) Each character of a string occupies 1 byte of memory.What will be the output of

the following code strip :

char name[]="Programming";

printf("%d,%d",strlen(name),sizeof(name));

**a) 11,12**

b) 12,11

c) 12,12

d) 11,11