

Code No: A109100106

Set No. 1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

I B.Tech. II Mid Examinations, March – 2011

COMPUTER PROGRAMMING AND DATA STRUCTURES

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I. Choose the correct alternative

1. struct a []
{int I;
float j;
};
Which of the following syntax is correct to declare a structure variable
A. struct union a; B. union struct a; C. union a t; D. struct a t;
2. Which of the following is used with printf () function for printing the Address of a variable []
A. %d B. %u C. %f D. %c
3. struct{ int I;
float j;} s; sizeof (s) will be []
A. 4 bytes B. 2 bytes C. 6 bytes D. 0 bytes
4. The process of calling a function using pointers to pass the address of variables is known as []
A. call by argument B. call by parameter C. call by value D. call by reference
5. main() []
{int a=5,b,*c;c=&a;b=*c;
printf("\n value of a=%d & b=%d",a,b,)}
A. a=3,b=3 B. a=4,b=4 C. a=6,b=6 D. a=5,b=5
6. main() []
{
char *str1="abcd";
char str2[]="abcd";
printf ("%d%d%d", sizeof(str1),sizeof(str2),sizeof("abcd"));
}
A. 2 5 5 B. 5 5 2 C. Compiler error D. 5 2 5
7. A block of memory is allocated using the function []
A. falloc() B. dalloc() C. malloc() D. calloc()

Cont.....2

8. In union all members use []
A. no location B. same location C. different location D. no stroage
9. Which of the following storage classes is used to allocate memory in cpu registers []
A. auto B. register C. static D. extern
10. If we declare an array like `int a[4] = {1, 2, 3, 4, 5}` then []
A. results in compilation error B. valid but skip the last value 5.
C. valid but skip the first value 1 D. Initializes all values of array with 0

II Fill in the blanks

11. The standard library function `strcmp` (“JNTUH”, “JNTUK”) retruns _____
12. The general format of `realloc` function is _____
13. Structure elements can be accessed through a pointer to a structure using the operator _____
14. Self referential structure means _____
15. A program obtaining its memory while it is running is called as _____.
16. The name of the array refers to _____ address
17. In command line arguments program the first argument of the main function Indicates _____
18. In enum `wd={SUN, MON, TUE=5, WED, THU, FRI, SAT}`, The value Assigned to enum constant `FRI` is _____
19. Pointers _____ the execution speed (increased/decrease)
20. Pre Processing statements are started with _____ symbol

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Set No. 2

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I. Choose the correct alternative

1. The process of calling a function using pointers to pass the address of variables is known as []
A. call by argument B. call by parameter C. call by value D. call by reference
2.

```
main( )  
{int a=5,b,*c;c=&a;b=*c;  
printf("\n value of a=%d & b=%d",a,b,)}  
A. a=3,b=3     B. a=4,b=4     C. a=6,b=6     D. a=5,b=5
```

 []
3.

```
main( )  
{  
char *str1="abcd";  
char str2[ ]="abcd";  
printf ("%d%d%d", sizeof(str1),sizeof(str2),sizeof("abcd"));  
}  
A. 2 5 5     B. 5 5 2     C. Compiler error     D. 5 2 5
```

 []
4. A block of memory is allocated using the function []
A. falloc() B. dalloc() C. malloc() D. calloc()
5. In union all members use []
A. no location B. same location C. different location D. no stroage
6. Which of the following storage classes is used to allocate memory in cpu registers []
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8.

```
struct a  
{int I;  
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};
```

 []
Which of the following syntax is correct to declare a structure variable
A. struct union a; B. union struct a; C. union a t; D. struct a t;

Cont....2

9. Which of the following is used with printf () function for printing the Address of a variable []
A. %d B. %u C. %f D. %c
10. struct{ int I;
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II Fill in the blanks

11. Self referential structure means _____
12. A program obtaining its memory while it is running is called as _____.
13. The name of the array refers to _____ address
14. In command line arguments program the first argument of the main function Indicates _____
15. In enum wd={SUN, MON, TUE=5, WED, THU, FRI, SAT}, The value Assigned to enum constant FRI is _____
16. Pointers _____ the execution speed (increased/decrease)
17. Pre Processing statements are started with _____ symbol
18. The standard library function strcmp (“JNTUH”, “JNTUK”) returns _____
19. The general format of realloc function is _____
20. Structure elements can be accessed through a pointer to a structure using the operator _____

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I. Choose the correct alternative

1.

```
main( )  
{  
char *str1="abcd";  
char str2[ ]="abcd";  
printf ("%d%d%d", sizeof(str1),sizeof(str2),sizeof("abcd"));  
}
```

A. 2 5 5 B. 5 5 2 C. Compiler error D. 5 2 5
2. A block of memory is allocated using the function []
A. falloc() B. dalloc() C. malloc() D. calloc()
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4. Which of the following storage classes is used to allocate memory in cpu registers []
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6.

```
struct a  
{int I;  
float j;  
};
```

Which of the following syntax is correct to declare a structure variable

A. struct union a; B. union struct a; C. union a t; D. struct a t;
7. Which of the following is used with `printf ()` function for printing the Address of a variable []
A. %d B. %u C. %f D. %c
8.

```
struct{ int I;  
flaot j;} s; sizeof (s) will be
```

A. 4 bytes B. 2 bytes C. 6 bytes D. 0 bytes

Cont....2

9. The process of calling a function using pointers to pass the address of variables is known as []
A. call by argument B. call by parameter C. call by value D. call by reference
10. `main()` []
`{int a=5,b,*c;c=&a;b=*c;`
`printf("\n value of a=%d & b=%d",a,b,);}`
A. a=3,b=3 B. a=4,b=4 C. a=6,b=6 D. a=5,b=5

II Fill in the blanks

11. The name of the array refers to _____ address
12. In command line arguments program the first argument of the main function Indicates _____
13. In enum wd={SUN, MON, TUE=5, WED, THU, FRI, SAT}, The value Assigned to enum constant FRI is _____
14. Pointers _____ the execution speed (increased/decrease)
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16. The standard library function strcmp (“JNTUH”, “JNTUK”) returns _____
17. The general format of realloc function is _____
18. Structure elements can be accessed through a pointer to a structure using the operator _____
19. Self referential structure means _____
20. A program obtaining its memory while it is running is called as _____.

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4. struct a []
{int I;
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Which of the following syntax is correct to declare a structure variable
A. struct union a; B. union struct a; C. union a t; D. struct a t;
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7. The process of calling a function using pointers to pass the address of variables is known as []
A. call by argument B. call by parameter C. call by value D. call by reference
8. main() []
{int a=5,b,*c;c=&a;b=*c;
printf("\n value of a=%d & b=%d",a,b,)}
A. a=3,b=3 B. a=4,b=4 C. a=6,b=6 D. a=5,b=5

Cont....2

9.

```
main( )
{
char *str1="abcd";
char str2[ ]="abcd";
printf ("%d%d%d", sizeof(str1),sizeof(str2),sizeof("abcd"));
}
```


A. 2 5 5 B. 5 5 2 C. Compiler error D. 5 2 5
10. A block of memory is allocated using the function []
A. `falloc()` B. `dalloc()` C. `malloc()` D. `calloc()`

II Fill in the blanks

11. In enum `wd={SUN, MON, TUE=5, WED, THU, FRI, SAT}`, The value Assigned to enum constant `FRI` is _____
12. Pointers _____ the execution speed (increased/decrease)
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17. Self referential structure means _____
18. A program obtaining its memory while it is running is called as _____.
19. The name of the array refers to _____ address
20. In command line arguments program the first argument of the main function Indicates _____