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Question Paper Code : E

No. of questions : 60

Full Marks : 60

Time : 60 Minutes

1.

```
#include "stdio.h"
void main()
{
    int i=65;
    Printf("sizeof(i)=%d",sizeof(i));
}
```

 - a)1
 - b)65
 - c)4
 - d)0

2. We can insert pre-written code in a c program by using
 - a) #read
 - b) #get
 - c)main
 - d)#include

3. The first expression in a for loop is
 - a) Step value of loop
 - b) Value of the counter variable
 - c)All of Above
 - d)None of the above

4. Break statement is used for
 - a) quit the program
 - b) Quit the current iteration
 - c)Both of the above
 - d) None of above

5. What will be the output of the program?

```
Void main()
{
    Char test="s";
    Printf("\n%c",test);
}
```

 - a) s
 - b) segmentation fault
 - c)Compilation error
 - d)No output

6. Due to variable scope in c
 - a) variables created in a function cannot be used another function
 - b) variables created in a function can be used in another function
 - c) variable created in a function can only be used in the main function
 - d) None of the above

7. What will be the output?

```
Main()
{
    Int x,y=10;
    Y=x* NULL;
    Printf("%d",x);
}
```

 - a)0
 - b)10
 - c)error
 - d)garbage value

8. Difference between calloc() and malloc()
 - a) calloc() takes single argument while malloc() needs two arguments
 - b) malloc() takes a single argument while calloc() needs two arguments
 - c) malloc() initializes the allocated memory to ZERO
 - d) calloc() initializes the allocated memory to NULL

- 9) Exit() is same as return
 - a) TRUE
 - b) FALSE

10. Calloc() belongs to which library
 - a) stdlib.h
 - b) malloc.h
 - c)calloc.h
 - d) stdio.hint

11. If include files can be nested
 - a) Yes
 - b) No

12. Which of the following below is/are valid C keywords
 - a) integer
 - b) int
 - c) null
 - d) all the above

13. Total no of keywords in C?
 - a)30
 - b)32
 - c)48
 - d)132

52. Does this compile without error?

```
main()
{
    for (int k = 0; k < 10; k ++);
}
```

 - a) Yes
 - b) No
 - c)None of the above
 - d)Depends on the compiler

53. Which of the following declaration is not supported in c?
 - a) char *str;
 - b) String str;
 - c)float str=3e2;
 - d)both a and c

54. Which of the following format identifier can never be used for the variable var?

```
Main()
{
    Char *var="Advanced Training in c by LIT";
}
```

 - a) %f
 - b) %d
 - c) %c
 - d) %s

55. What will be the output?

```
void main()
{
    int k = 4;
    float k = 4;
    printf("%d", k)
}
```

 - a)0
 - b) compilation error
 - c)4
 - d)4.00000

56. The name of the variable used in one function cannot be used in another function?
 - a>true
 - b>false
 - c)may be
 - d)none of the above

57. C programming was developed in which year?
 - a)1979
 - b)1987
 - c)1973
 - d)1972

58. Following is a which type of pointer in c?

```
Int *p=NULL;
```

 - a) far
 - b) null
 - c) huge
 - d) wild

59. The memory space to local variable is allocated from
 - a)stack
 - b) Data segment
 - c) Heap
 - d)Bss

60. The lifetime of a global variable is?
 - a) Un-allocated
 - b) allocated
 - c)automatic
 - d)static

43. What will be the value of arr[2][1][0]?
Int arr[3][2][2]={1,2,3,4,5,6,7,8,9,10,11,12};
a)5
b)7
c)9
d)11
-
44. Given the piece of code
Int a[50];
int *pa;
pa=a;
To access the 6th element of the array which of the following is incorrect?
a) *(a+5)
b) a[5]
c) pa[5]
d) *(*pa+5)
-
45. What is the effect of the following code?
Main()
{
Int a[4]={1,5};
Printf("%d",a[3]);
}
a)0
b)Syntax error because of improper initialization
c) 5
d) Syntax error because of invalid index
-
46. For the following definition,which of the given option is correct?
Int a[10];
a) a++
b) a=a+1
c) *a++
d) *a[1]
-
47. What is the size of the following union
Union
{
Int a;
Float b;
Char c;
};
a)2
b)4
c)1
d)7

48. What will be the output?
Main()
{
Static int num=8;
Printf("%d",num=num-2);
If(num!=0)
Main();
}
a)8642
b) infinite output
c)6420
d)error
-
49. What will be the output?
Main()
{
Int x=49;
For(;x);
x--;
printf("%d\n",x);
}
a)49
b)0
c)-49
d)none of these
-
50. Find the output?
Int main()
{
Const int i = 10;
int *ptr = &i;
*ptr = 20;
printf("%d\n", i);
}
a) error
b) address will be printed
c) 20
d) none of these
-
51. Find out the output?
Int main()
{
j = 10;
printf("%d\n",j++);
}
a)10
b)11
c)compilation error
d)0

14. What is the use of \r in c?
a) used to insert a vertical tab
b) used to insert a tab
c) place cursor at the end of the line
d) places cursor at the start of the line
-
15. What will be the output ?
Main()
{
Float x=10.5;
Int i=(int)x;
Printf("%d",i);
}
a)0
b) error
c)10
d)10.5
-
16. Rand() function returns
a) float value
b) integer value
c) any type
d) none of the above
-
17. Which operator in c can't be overloaded
a) %
b) +
c) ::
d) -
-
18. Can getch() be used to echo the input
a) Yes
b) No
-
19. Procedural programming method is followed in
a) C
b) COBOL
c) Cobra
d) All of the above
-
20. Information high level description of an algorithm in English is called
a) Function
b) Class
c) Pseudo Code
d) none of the above
-
21. Find the output?
Main()
{
Char *str1="abcd";
Char str2[]="abcd";
Printf("%d %d %d",sizeof(str1),
sizeof(str2),sizeof("abcd"));
}
a) 2 5 5
b) 2 4 4
c) 8 5 5
d) 4 5 5
-
22. Find the output?
Main()
{
Char *p;
P="Hello";
Printf("%cn",&*p);
}
a) Hello
b) H
c) Some address will be printed
d) Hn
-
23. Void main()
{
Char *p=NULL;
Char *q=0;
If(p)
Printf("p");
Else
Printf("nullp");
If(q)
Printf("q");
Else
Printf(" nullq");
}
a) p q
b) Depends on the compiler
c) nullpnullq
d) compilation error
-
24. Find the output
void main()
{
Inti=10;

```
Void *p=&i;
Printf("%d\n",(int)*p);
}
```

- a) run time error
- b) Compilation error
- c) 10
- d) undefined behaviour

25. The declaration

```
Int(*p)[5];
```

Means

- a) p is one dimensional array of size 5, of pointer to integers
- b) p is a integer to a 5 elements integer array
- c) The same as int*p[
- d) none of these

26. Comment on the following?

```
Constint *ptr;
```

- a) We cannot change the value pointed by ptr
- b) We cannot change the pointer ptr itself
- c) Both of the above
- d) We can change the pointer as well as the value pointed by it.

27. Find the output?

```
Void main()
```

```
{
Int *ptr,a=10;
Ptr=&a;
*ptr+=1;
Printf("%d,%d",*ptr,a);
}
```

- a) 10 11
- b) 10 10
- c) 11 11
- d) 11 10

28. A function 'p' that accepts a pointer to a character as argument and returns a pointer to an array Of integer can be declared as

- a) int(*p(char*))[]
- b) int *p(char*)[]
- c) int (*p)(char*)[]
- d) None of these

29. Find the output

```
Main()
```

```
{
```

```
Char *p;
```

```
Printf("%d %d",sizeof(*p),sizeof(p));
```

```
}
```

- a) 1 1
- b) 1 2
- c) 4 1
- d) 1 4

30. Find the output

```
Void main()
```

```
{
```

```
Int i=3, *j, **k;
```

```
J=&I;
```

```
K=&j;
```

```
Printf("%d %d %d",*j, **k, *(*k));
```

```
}
```

- a) 3 0 3
- b) 4 4 4
- c) 0 0 0
- d) 3 3 3

31. Which of the following is the correct way to declaring a float pointer

- a) floatptr
- b) float *ptr
- c) *float ptr
- d) None of the above

32. Find the output?

```
Void main()
```

```
{
```

```
Char *msg="hi";
```

```
Printf(msg);
```

```
}
```

- a) h
- b) garbage value
- c) error
- d) hi

33. Find the output?

```
Void Main()
```

```
{
```

```
Int array[10];
```

```
Int *i=&array[2,*j=&array[5];
```

```
Int diff=j-l;
Printf("%d",diff);
}
```

- a) 3
- b) 3
- c) garbage value
- d) error

34. find out the output

```
Void main()
```

```
{
```

```
Printf("%d %d",sizeof(int *),sizeof(int **));
```

```
}
```

- a) 2 2
- b) 0 0
- c) some address will be printed
- d) 4 4

35. Find the output?

```
void main()
```

```
{
```

```
Int i=10;
```

```
int *ip=&i;
```

```
int **ipp=&&i;
```

```
printf("%x %x %x",&i,ip,*ipp);
```

```
}
```

- a) 0x1234ABCD,0x1234ABCD,10
- b) runtime error
- c) garbage value
- d) compilation error

36. Which of the following statements are true after the execution of the program

```
Void main()
```

```
{
```

```
Int a[10],i,*p;
```

```
a[0]=1;
```

```
a[1]=2;
```

```
p=a;
```

```
(*p)++;
```

```
}
```

- a) a[1]=3
- b) a[0]=2
- c) a[1]=2
- d) a[0]=3

37. A name having few letters, numbers and special character

- a) Keywords
- b) reserved keywords
- c) tokens
- d) identifiers

38. The size of a character variable in c is

- a) 8 bytes
- b) 4 bytes
- c) 2 bytes
- d) 1 byte

39. Maximum value of an unsigned integer is

- a) 65535
- b) 32767
- c) -32767
- d) -65535

40. Which data structure is used by malloc() for object creation

- a) Heap
- b) Tree
- c) Stack
- d) Queue

41. The statement

```
#include "filename.h"
```

is replaced by the constants of "filename.h"

- a) before compilation
- b) after compilation
- c) during execution
- d) during type of the program

42. In the following C code

```
{
```

```
FILE *f=fopen(filename,"r");
```

```
fread(f);
```

```
If(????)
```

```
Puts("End of file reached");
```

```
}
```

- a) f==EOF
- b) feof(f)
- c) eof(f)
- d) f==NULL