## **C-PROGRAMMING**

2.1 ?	nould be used to obtain a remainder after dividing 3.14 by
(a) rem = 3.14 % 2.1; (b) rem = modf(3.14, 2.1); (c) rem = fmod(3.14, 2.1); (d) Remainder cannot be obtained in flo	oating point division.
2. What are the types of linkages?	
<ul><li>(a) Internal and External</li><li>(c) External and None</li></ul>	<ul><li>(b) External, Internal and None</li><li>(d) Internal</li></ul>
3. Which of the following special symb	ool allowed in a variable name?
(a) * (asterisk) (c) - (hyphen)	(b)   (pipeline) (d) _ (underscore)
4. Is there any difference between follo 1: extern int fun(); 2: int fun();	wing declarations?
<ul><li>(a) Both are identical</li><li>(b) No difference, except extern int fun</li><li>(c) int fun(); is overrided with extern in</li><li>(d) None of these</li></ul>	· · · · · · · · · · · · · · · · · · ·
<b>5.</b> How would you round off a value from	om 1.66 to 2.0?

(a) ceil(1.66) (c) roundup(1.66)	(b) floor(1.66) (d) roundto(1.66)
6. By default a real number is treated as a:	
(a) float (c) long double	(b) double (d) far double
7. Which of the following is not user defined data t	ype?
1: struct book {     char name[10];     float price;     int pages; };	
2: long int $1 = 2.35$ ;	
3: enum day {Sun, Mon, Tue, Wed};	
(a) 1 (c) 3	(b) 2 (d) Both 1 and 2
<b>3.</b> Is the following statement a declaration or defini extern int i;	tion?
(a) Declaration (c) Function	(b) Definition (d) Error
<ul> <li>9. Identify which of the following are declarations:</li> <li>1: extern int x;</li> <li>2: float square ( float x ) { }</li> <li>3: double pow(double, double);</li> </ul>	
(a) 1	(b) 2

(c) 1 and 3 (d) 3

**10.** In the following program where is the variable a getting defined and where it is getting declared?

```
#include<stdio.h>
int main()
{
    extern int a;
    printf("%d\n", a);
    return 0;
}
int a=20;

(a) extern int a is declaration, int a = 20 is the definition
(b) int a = 20 is declaration, extern int a is the definition
(c) int a = 20 is definition, a is not defined
(d) a is declared, a is not defined
```

- **11.** When we mention the prototype of a function?
- (a) Defining

(b) Declaring

(c) Prototyping

(d) Calling

- **12.** What is (void\*)0?
- (a) Representation of NULL pointer

(b) Representation of void pointer

(c) Error

(d) None of above

**13.** Can you combine the following two statements into one?

```
char *p;
p = (char*) malloc(100);
```

<ul><li>(a) char p = *malloc(100);</li><li>(c) char *p = (char*)malloc(100);</li></ul>	(b) char *p = (char) malloc(100); (d) char *p = (char *)(malloc*)(100);
14. In which header file is the NULL macro define	ed?
<ul><li>(a) stdio.h</li><li>(c) stdio.h and stddef.h</li></ul>	(b) stddef.h (d) math.h
<b>15.</b> If a variable is a pointer to a structure, then wh data members of the structure through the pointer v	<b>5</b> 2
(a) . (c) *	(b) & (d) <b>②</b>
16. What would be the equivalent pointer expression	on for referring the array element a[i][j][k][l]?
(a) ((((a+i)+j)+k)+l) (c) (((a+i)+j)+k+l)	(b) *(*(*(*(a+i)+j)+k)+l) (d) ((a+i)+j+k+l)
17. A pointer is:	
<ul><li>(a) A keyword used to create variables</li><li>(b) A variable that stores address of an instruction</li><li>(c) A variable that stores address of other variable</li><li>(d) All of the above</li></ul>	
<b>18.</b> The operator used to get value at address stored	d in a pointer variable is:
(a) * (c) &&	(b) & (d)

## **19.** What is the output of the program given below?

```
#include<stdio.h>

int main()
{
    enum status { pass, fail, atkt};
    enum status stud1, stud2, stud3;
    stud1 = pass;
    stud2 = atkt;
    stud3 = fail;
    printf("%d, %d, %d\n", stud1, stud2, stud3);
    return 0;
}

(a) 0, 1, 2
    (b) 1, 2, 3
    (c) 0, 2, 1
    (d) 1, 3, 2
```