QUESTION 2009

GROUP - A (Multiple Choice Type Questions)

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I. Choose the correct alternatives for the following:
) A filter point is a
  a) stream pointer
                                                        b) buffer point
   √c) pointer to FILE data type
                                                         d) all of these
il Which is not a storage class?
                          b) struct
                                                                                        d) static
   a) auto

√ c) typedef

in The declaration of float *a[5]; is
   a) a normal pointer
                                                         b) an ordinary array
   √c) an array of pointer
                                                         d) a pointer to an array
ii) How is a variable accessed from another file?
   a) The global variable referenced via the global specifier
   b) The global variable is referenced via the auto-specifier
   √c) The global variable is referenced via the extern specifier
   d) The global variable is referenced via the pointer specifier
 v) main()
         int a = 3:
```

printf("%d%d%d%d%d",a++, ++a, ++a, a++);

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d) 6666
                                                     c) 3565
                           √b) 6653
    a) 3566
vi) main()
        printf("%d%d%d%d",sizeof(3.14f),sizeof(3.14),
        sizof(314))
                                                     √c) 482
                                                                               d) 442
                          b) 421
    a) 422
vii) If the array begins at address 6548?
        main()
                 int a[]={12, 14, 15, 23};
                 printf("%u%u",a,&a);

√d) none of these

                          b) 6548 6548
                                                    c) 6548 6550
    a) 6548 6558
viii) How many times the message Hello will be printed in the following program?
                                   Japapel
    void main()
    {
         int x:
         for(x=-1; x<=10; x++)
                 if (x<5)
                 continue;
                 else
                 break;
                 printf("Hello");
                                                                               √d) 0 times
                                                    c) once
                          b) 10 times
    a) 11 times
ix) What would be the correct output of the following program?
    void main()
         int k, num=30;
         k=(num>5? (num<=10?100:200):500);
         printf("%d%d",num,k);
                                                    √c) 30 200
                                                                              d) 30 500
                          b) 30 100
    a) 200 30
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x) Choose the correct output:
   void main()
       char str[20]="Hello";
       char const p=str;
        "p='M';
       printf("%s",str);
   √a) Mello
```

b) Hello

c) HMello

d) MHello

GROUP - B (Short Answer Type Questions)

- 2. a) What do you mean by Recursion? Give example.
- b) What are strings? Explain with example.
- a) See Topic: FUNCTIONS, Short Answer Type Question No. 10.
- b) See Topic: C FUNDAMENTALS, Short Answer Type Question No. 3.
- 3. a) Explain the difference between structure & union with examples.
- b) What is Pointer?
- a) See Topic: STRUCTURES AND UNIONS, Long Answer Type Question No. 1(c).
- b) See Topic: POINTERS, Short Answer Type Question No. 5.
- 4. Using pointer write a program to find out length of the given string without using strien ()
- See Topic: POINTERS, Long Answer Type Question No. 3.
- 5. Write a program to check whether a given string palindrome or not.

See Topic: ARRAYS, Short Answer Type Question No. 1.

- 6. What do you mean by scope of a variable? Explain the storage classes available in C.
- 14 Part: See Topic: FUNCTIONS, Short Answer Type Question No. 6.
- 2nd Part: See Topic: FUNCTIONS, Long Answer Type Question No. 4.

GROUP-C

(Long Answer Type Questions)

- 7. What is structure? How does a structure differ from any array? What do you mean by call by value and call by reference? Write a C program, which accepts an integer numbers and prints the multiplication of the digits.
- 1s & 2sd Part: See Topic: STRUCTURES AND UNIONS, Short Answer Type Question No. 2. 3rd Part: See Topic: POINTERS, Long Answer Type Question No. 2.
- 4th Part: See Topic: OPERATORS, EXPRESSIONS & MANAGING INPUT OUTPUT, Long Answer

POPULAR PUBLICATIONS

- 8. a) What do you mean by malloc () and calloc ()? Explain their difference.
- b) Using pointer write a function that will calculate maximum and minimum of a given set of numbers.
- c) Write a recursive function that will calculate HCF of two numbers.
- a) See Topic: DYNAMIC MEMORY ALLOCATION, Short Answer Type Question No. 3.
- b) See Topic: POINTERS, Long Answer Type Question No. 4.
- c) See Topic: FUNCTIONS, Long Answer Type Question No. 7.
- 9. a) Explain streat (), stremp (), strev (), strlen ()
- b) Write C code to print

c) Write C code to print

A	В	C	D	E	F	E	D.	C	В	Α
A	В	C	D	E		E	D	C	B	A.
Α	В	C			0	51		C	B	A
Α	В		11	2	N	. 4			B	
Α	,		0	O						A

- a) See Topic: ARRAYS, Long Answer Type Question No. 7.
- b) See Topic: FLOW OF CONTROL N, Long Answer Type Question No. 14(a).
- c) See Topic: FLOW OF CONTROL, Long Answer Type Question No. 14(b).
- 10. a) What is a function?
- b) What do you mean by the following:
 - i) Function declaration
 - ii) Function calling
 - iii) Function definition.
- c) When is it necessary to declare prototype of a function?
- d) Write a program to arrange a group of numbers into positive & negative numbers.

See Topic: FUNCTIONS, Long Answer Type Question No. 8.

11. What is loop? Discuss the different types of loops with syntax and appropriate examples. Write a program to print the summation of the following series:

$$1 + \frac{1}{2^2} + \frac{1}{3^2} + \frac{1}{4^2} + \dots + \frac{1}{N^2}$$

1ª Part: See Topic: FLOW OF CONTROL, Short Answer Type Question No. 4.

2nd Part: See Topic: FLOW OF CONTROL, Long Answer Type Question No. 3.

3rd Part: See Topic: FLOW OF CONTROL, Long Answer Type Question No. 15.