RAN-191000102040001

F.Y.B.C.A. (Sem-II) Examination

November / December - 2019

Advanced 'C' Programming

સૂચના : / Instructions

Q-1   Answer the following in short (Any Seven)   14

1. Explain in brief file inclusion directives.

2. Why user defined function is required?

3. What is difference between actual and formal argument?

4. Explain advantages of file handling.

5. Explain fflush().

6. Explain typedef with syntax.

7. Explain multi dimensional character array.

8. State whether the following statement is True or False. Justify your answer. A function may contain more than one return statement.

9. Point out the errors, if any; otherwise give the output of the following program.

    #include<stdio.h>
    #include<conio.h>
    struct temp
    {
        int i;
        float ft;

```
    }t1;
    void main()
    {
        t1.i = 4;
        t1.ft = 8.9483628;
        printf("%d %.2f", t1.i, t1.ft);
        getch();
    }
```

10.   Point out the errors, if any; otherwise give the output of the following program.

```
#include<stdio.h>
#incIude<conio.h>
main()
{
    float a =8.76;
    char ch = 'C';
    display(a,ch);
    getch();
}
void display(a.ch)
{
    printf("\n %f%c", a,ch);
}
```

Q-2   **Answer the following in detail. (Any two)**   **14**

  A.   What is a preprocessor directive? Explain conditional compilation preprocessor directives in detail.

  B.   Explain command line argument with an example.

  C.   Explain call by value and call by reference in detail.

Q-3   **Answer the following in detail. (Any two)**   **14**

  A.   Why structure is required? How to define structure and initialized structure member? Explain with an example.

  B.   Write a brief note on categories of user defined function available in C.

  C.   Explain in detail recursion with an example.

Q-4   **Answer the following in detail (Any two)**   **14**

   A. What is pointer? How to declare pointer variables? How to initialize pointer variable?

   B. Explain pointer to array in detail.

   C. What is file? How to open and close file? How to read and write character data into file explain with example.

Q-5   **Do as directed. (Any two)**   **14**

   A. Write difference between Array and Pointer.

   B. Explain enumerated data type with an example.

   C. Write a program to create structure student with following members. Student no. Name, and percentage.

      Write a program to accept 5 student records and display the name of student who secured highest marks.

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