RAN-191000102040001

FYBCA Semester II Examination

March / April - 2019

Advanced 'C Programming

સૂચના : / Instructions

નીચે દર્શાવેલ ☞ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of ☞ signs on your answer book

Name of the Examination:
☞ **FYBCA Semester II**

Name of the Subject :
☞ **Advanced 'C Programming**

Subject Code No.: **1911000102040001**

Seat No.:

Student's Signature

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

1. Explain typedef.
2. What is difference between global and local variable?
3. Explain enum.
4. Explain feof() and ferror() function.
5. What is self referential structure?
6. Explain preprocessor.
7. Explain bitwise shift left operator.
8. State whether the following statement is True or False. Justify your answer.
    A function may be called more than once from any other function.
9. Point out the errors, if any; otherwise give the output of the following program.

```
#include<stdio.h>
#include<conio.h>
check(int ch)
{
    if(ch>=45)
        return 100;
    else
        return (10*10);
}
void main()
{
```

```
            int i = 45, c;
            c = check(i);
            printf("\n %d", c);
            getch();
        }
```

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

```
#include<stdio.h>
#include<conio.h>
main()
{
message();
message();
}
message();
{
        printft ("\n Veer Narmad South Gujarat University")
}
```

Q- 2   **Answer the following in detail. (Any two)**   **14**
   A. Explain conditional compilation preprocessor directives in detail.
   B. Explain recursion in detail with an example.
   C. How to copy and compare structure variable? Explain with example.

Q-3   **Answer the following in detail. (Any two)**   **14**
   A. What is difference between structure and union? Explain in detail.
   B. Explain structure within structure in detail.
   C. How to pass array to user defined function? Explain with example.

Q-4   **Answer the following in detail (Any two)**   **14**
   A. What is pointer? How arithmetic operation performed on pointer?
   B. What are different types of file available in C? How to define, open and close
       file? Also explain operation on file.
   C. Explain command line argument passing in detail.

Q-5   **Do as directed. (Any two)**   **14**
   A. Explain multidimensional character array in detail.
   B. Write a short note on storage class.
   C. Create a user defined function to find maximum number from 10 numbers.

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