(ii) break, continue and goto statements

UNIT – III

5. (a) What do you understand by passing arguments ? Illustrate using suitable examples.

   (b) What are various operations on strings ?

6. (a) Describe different types of storage classes available in C language.

   (b) How are arrays accessed through pointers ? Illustrate using suitable example.

UNIT – IV

7. (a) Illustrate use of structures in a C program using example of your own.

   (b) Describe formatted console I/O functions. How are they different from unformatted console I/O functions ?

8. (a) Explain use of fopen ( ), fclose ( ), fgetc ( ) and fputc ( ).

   (b) What are various steps involved in debugging ? What is the use of Macros in C ?

Roll No. ....

67012

MCA 1st Semester (with old notes) Examination – December, 2016

COMPUTER FUNDAMENTALS AND PROGRAMMING IN C

Paper : MCA-102

Time : Three Hours]　　　　　[Maximum Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting *one* from each Unit. All questions carry equal marks.

UNIT – I

1. (a) What is basic structure of Computer ? What are applications of Computer to the Society ?

   (b) Explain working of any *two* input or output devices.

2. (a) Differentiate between :

(i) Compiler and Interpreter

(ii) Linker and Loader

(b) Define Computer Virus. What are remedial solutions for a virus infected computer ?

UNIT – II

3. (a) Differentiate between :

(i) Top-down and Bottom-up approach

(ii) Pseudo codes and program coding

(b) (i) Find out the output of the following :

```
main ( )
{
    int  i, j, k, a;
    i = 2;
    j = 5;
    k = (++i) * (j– –);
    a = k + (i++) – (++j);
    printf ("%d%d", k, a);
}
```

(ii) Find out the errors from the following :

```
main ( )
{
int i, j;
for (i = 1, i < = 2, i + +)
{
    if (i = = 2 && j = = 2);
        goto abc;
else
    printf ("% c % c", i, j);
}
abc;
printf ("Best of Luck");
}
```

4. (a) What are applications of Decision Tables ? What errors we encounter while executing a program ?

(b) Differentiate between :

(i) while and do ..... while loops