7. (a) What do you mean by fu prototype ? Write down the advantages of fu prototypes in C. 4

(b) Write a program to find mber of vowels in the given line text. 8

(c) Explain the difference veen a function declaration and function ion. 4

UNIT – IV

8. (a) What do you mean by ar structures ? How array of structures can be ized ? 5

(b) What are input and outpu tions written in C for files ? 5

(c) What are the methods use cess the structure elements using pointers lain those using examples. 6

9. (a) How array can be used the structures ? Differentiate it with array tures. 4

(b) Write a program to prepa st of holiday in a year. 8

(c) What are enumerated da s ? Explain their declaration and use in pro ing. 4

Roll No. .....

67042

MCA 1st Semester Last Session
Dec.-15 (with New Notes)
Examination – December, 2016

COMPUTER FUNDAMENTALS & 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. Questions Number 1 is ***compulsory***. Attempt ***four*** more questions selecting ***one*** question from each Unit. All questions carry equal marks.

1. Short answer type questions : $8 \times 2 = 16$

(a) How computers can be classified according to size ?

(b) What is debugging ?

(c) Explain briefly volatile and nc ıtile memory.

(d) What is the difference betwee d C++ ?

(e) What are dynamic memory al ın operators ?

(f) What is difference betwe of and EOF functions ?

(g) What are the different mode: hich a file can be opened ?

(h) What is the purpose of return ıent ?

UNIT – I

2. (a) What is an IC ? How does it ı reducing the size of computers ? 4

(b) Explain the similarities a ifferences of computer system with humar . 6

(c) Explain use of computer in bu 6

3. (a) What are high-level languag Vhy are they known as problem oriented ages ? Name some high-level languages. 6

(b) What is the impact of comput ociety ? 5

(c) Explain the computer applica medical care. 5

UNIT – II

4. (a) What is the purpose of while and do-while statement ? What is the minimum number of times while and do-while statement will be executed ? 8

(b) Write a program to generate Fibonacci series upto the number of elements. 8

5. (a) What is character constant ? How do strings constant differ from character constant ? 5

(b) Write an algorithm to arrange the given set of numbers in an ascending order. 6

(c) Use of goto statement should be avoided in programming. Why ? 5

UNIT – III

6. (a) What is an array ? How it differs from the ordinary variable ? 4

(b) Write a program to read a check the equality of two matrices. 8

(c) What is recursion ? What advantage is there in its use ? 4