

(4) **67001-N**

Unit-IV

8. (a) What are input and output functions written in C for files ? 4
(b) What are the methods used to access the structure elements using pointers ? Explain those using examples. 6
(c) Differentiate between pointer (*) and address (&) operator using examples. 6
9. (a) Write a structure definition having elements : name, rollno, class, sex, height, weight for 50 students. 8
(b) How array can be used within the structures ? Differentiate it with array of structures. 8

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MCA Bridge Course (MCA 2 Year Programme)

w.e.f. 2020-21 Examination,
December-2022

**COMPUTER FUNDAMENTALS AND
PROGRAMMING IN C
Paper-20BCC11C1**

Time allowed : 3 hours] [Maximum marks : 80

Note : Question number 1 will consist of total 8 parts (short-answer type questions) covering the entire syllabus and will carry 16 marks. In addition to the compulsory question there will be four units i.e. Unit-I to Unit-IV. Question number 1 will be compulsory. In addition question, student will have to attempt four more questions, selecting one question from each unit.

1. (a) Define the features of C language.
(b) What is debugging ?
(c) Explain briefly volatile and non-volatile memory.
(d) Explain functions of OS in information management.
(e) What is file pointer ? What information is provided by it ?

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- (f) What is the purpose of return statement ?
- (g) Describe fputs() and fgets() function.
- (h) What are capabilities of computers ? 8×2

Unit-I

- 2. (a) What is an IC ? How does it help in reducing the size of computers ? 4
- (b) What are the three criteria necessary for effective and efficient networks ? 6
- (c) What is an operating system ? Why is it necessary for a computer system ? 6
- 3. (a) Define and distinguish between application software and system software. 3
- (b) Explain the difference between Compiler and Interpreter. 8
- (c) What is the impact of Computers on society ? 5

Unit-II

- 4. (a) Explain various options of presentations views of MS-PowerPoint. 5
- (b) Explain the working and importance of Header and Footer in MS-Word. 5
- (c) What do you mean Mail-Merge in MS-Word ? 6

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(3) **67001-N**

- 5. (a) Create a list of 10 best friends. Create a Thank you letter. Use Mail Merge features of MS-WORD to create a Thank you letter for each of your friends from the above two files. 8
- (b) Write a macro that is run using the shortcut Ctrl+F for formatting the files as
 - (i) Change the left margin of entire files as 2.0 inches.
 - (ii) Change the line spacing to 2 (Double).
 - (iii) Change the format of file in 3 columns. 8

Unit-III

- 6. (a) What do you understand by C character set ? 8
- (b) Explain the following :
 - (i) Presence of operators
 - (ii) Comment statement
 - (iii) Stdio.h header file 8
- 7. (a) Differentiate between Call by reference and Call by value. 8
- (b) 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

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