

- 5. (a) What is pivot table? When a pivot table is required? Explain the steps to create a pivot table.
- (b) What is filtering in MS-Excel? Explain different ways to filter the data.
- 4. (a) What is the use of mail merge? Write down the steps for mail merge.

Unit - II

- (b) Explain the concept of programming languages with its classification.
- 3. (a) What is software? Compare different types of software with appropriate examples of each.
- (b) What is computer virus? What are various types of threat and remedial solutions for viruses?
- 2. (a) What is an operating system? Why it is known as resource manager?

Unit - I

- (h) What is file positioning?
- (g) How is pointer initialized?
- (f) Distinguished between macro and function.

- 8. (a) What is structure? How members of the structure are accessed in C program? Explain a structure within a structure by giving an example.
- (b) What is dynamic memory allocation? Name the functions used for dynamic memory allocation with example.

Unit - IV

- 7. (a) What is recursion? Discuss the use of recursive function. Write a program to find the factorial of a given integer using recursive function.
- (b) What are the common approaches used for problem solving and program design? Explain with example.
- 6. (a) What is an algorithm? Discuss its characteristics. Write an algorithm to print even number from 2 to 100.
- (b) What is an array? How array is declared in C? Write a program to find the maximum and minimum in an array of 100 integers and their locations.

Unit - III

- (b) Why MS-PowerPoint is used for presentation? How presentation can be customized?

67001-N

MCA Bridge Course (2 Year Programme)

1st Semester w.e.f. 2020-2021,

Examination, May-2023

COMPUTER FUNDAMENTALS AND

PROGRAMMING IN C

Paper - 20BC11C1

Time allowed : 3 hours] [Maximum marks : 80

Note: Attempt five questions in all Question no. 1 is

compulsory. In addition to compulsory question,

attempt four more question selecting one question

from each unit

I. Compulsory Question :

(a) Differentiate between volatile and non-volatile memory.

(b) What can be remedial solution for computer crime?

(c) What is indentation? What are different types of indents available?

(d) What is what-if analysis?

(e) What is the purpose of type declaration in C?

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(4)

9. (a) What are different ways for categorization of files?

Write a program to show the opening and closing of file.

(b) What is debugging? Explain different types of errors occurred at the compile time.

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