

67042

MCA 1st Semester Current Scheme (with new notes)

Maximum Marks Scheme 80 Examination,

December-2015

COMPUTER FUNDAMENTALS & PROGRAMMING IN C

Paper-MCA-102

Time allowed : 3 hours] [Maximum marks : 80

Note : *Question No. 1 is compulsory and attempt four more questions selecting one question from each unit. All questions carry equal marks.*

1. Write short note on the following :

- (a) Application software
- (b) Loader
- (c) Remedial solution of viruses
- (d) Pseudo codes
- (e) Use of comma operator
- (f) Character search using array
- (g) Macros
- (h) Debugging.

Unit-I

2. Differentiate between data, information and knowledge also differentiate between primary data and secondary data.

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[P.T.O.]

3. Explain the uses of computer in weather forecasting and multilingual applications.

Unit-II

4. Explain the bitwise operator and its various types. Also differentiate between unary and binary operator.

5. Explain the difference with their syntax

- (a) While and Do-while loop
- (b) Switch and Else-if ladder.

Unit-III

6. Write a program to accept a string and reverse it without string function.

7. Write the use of dynamic memory allocation. Also write its function using their respective index.

Unit-IV

8. Why union is more space efficient than structure. Write a program using union which enters and display the following record of the employee

- (a) Name of the employee
- (b) Employee ID

- (c) Employee salary and
- (d) Employee date of birth (using nested union)

9. What do you mean by files write various mode of a file also write a program for finding the no. of lines no. of space, no of character in a file.