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Commerce College
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PGIIS-N 1040 A-2K13
M.Sc. IInd Semester (CBCS) Degree Examination

Computer Science

(Introduction to Computers and Programming in C)

Paper -OET 2.1

(New)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- 1) Section 'A' is compulsory.
- 2) Answer any five questions from section B.

Section - A

1. a) What are the characteristics of computer? (2)
- b) What are the different number system? (2)
- c) What are the characteristics of a software? (2)
- d) What are the different types of software? (2)
- e) What are the uses of word processing software? (2)
- f) Write a flow chart to find greatest of two numbers. (2)
- g) What is a constant? How to declare constants in C? (2)
- h) What are the different input statements in C. Give their syntax. (2)
- i) What is pointer? Give an example. (2)
- j) Write a C program to demonstrate opening and closing a file. (2)

Section - B

2. a) Explain the evaluation of computers. (6)
b) Describe classification of computers. (6)
 3. a) Explain software development life cycle. (6)
b) Why software has to be tested? Explain different software testing methods. (6)
 4. a) What are the general characteristics and functions of databases? Explain features of any one databases. (6)
b) Why presentation graphics software is headed? Explain its features. (6)
 5. a) What is flowchart? Describe the different symbols used to draw flowchart (6)
b) Write an algorithm to find GCD and LCM of two numbers. (6)
 6. a) Explain different operators in C with suitable examples. (6)
b) Explain different string functions in C. (6)
 7. a) Write a C program to find product of two matrices. (6)
b) Write a C program to 'n' Fibonacci numbers. (6)
 8. a) Explain structures and unions with examples? Give the difference between them. (6)
b) What is a function? Write a C program to find factorial of a number using function. (6)
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