Sub Code:NBC105

Paper Id: 910156 Roll No:

MCA (Dual Degree)
(SEM-I) THEORY EXAMINATION 2019-20
COMPUTER CONCEPTS AND PROGRAMMING IN C

Time: 3 Hours ***Total Marks: 100***

Note: Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 2 x 10 = 20

a.	Give the difference between ENUM and UNION?
b.	Define file handling?
c.	Difference between const and static keyword?
d.	What is the difference between ++a and a++?
e.	Define decrement operator?
f.	What is the structure of C program?
g.	What are the modifiers available in C programming language?
h.	Define NULL pointer?
i.	Discuss recursion function?
j.	What are static function and its uses?

SECTION B

2. Attempt any *three* of the following: 10x3=30

a.	Explain the term Operating System and its function?
b.	Discuss the switch case statement with example?
c.	Give the difference between break () and continue () statement with proper example?
d.	Discuss Pointer to Object with proper example?
e.	Explain C preprocessor library? Discuss sequential search with example?

SECTION C

3. Attempt any *one* part of the following: 10x1=10

a.	Discuss UNIX, LINUX and Windows in Details?
b.	Explain Algorithm and Program? Discuss top-down development and stepwise refinement?

4. Attempt any *one* part of the following: 10x1=10

a.	Explain the various types of Data type and Storage classes?
b.	Discuss the various operators in C?

5. Attempt any *one* part of the following: 10x1=10

a.	Explain if –statement and if-else-statement with proper example?
b.	What do you meant by modular programming? How we can pass the arguments by its address?

6. Attempt any *one* part of the following: 10x1=10

a.	Define Structure? How it is differ from union with example?
b.	Explain linked list? Explain single linked list using example?

7. Attempt any *one* part of the following: 10x1=10

a.	Discuss the various file operation using example?
b.	Explain String? Write a program to print Armstrong number?

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