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BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL-2019
DEEE - FOURTH SEMESTER EXAMINATION
PROGRAMMING IN C

Time: 3 Hours]

[Max.Marks: 80

PART-A**10X3=30M**

Instructions: 1) Answer **all** questions. Each question carries **three** marks.
2) Answer should be brief and straight to the point and shall not exceed five simple sentences.

- 1) Write any three rules for naming a variable
- 2) Give syntax and an example for assignment statement
- 3) Write the syntax and example to *for loop*
- 4) Define nesting and give an example
- 5) Define string
- 6) Write syntax and example of declaring and initializing array of five characters
- 7) What is the need of user defined function ?
- 8) List the four storage classes supported by C
- 9) Define union and give an example
- 10) Define pointer and give syntax to declare a pointer?

PART-B

5x10=50M

- Instructions:** 1) Answer any **five** questions. Each question carries **ten** marks.
2) Answers should be comprehensive and the criteria for valuation is the content but not the length of the answer.

- 11) Explain passing of individual members of a structure to a function with a C program
- 12) a) Explain the compound assignment statement with an example 5M
b) Explain how pointer can be used to realize the effect of parameter passing by reference 5M
- 13) Explain switch statement with the help of a C program
- 14) a) Differentiate between while and do while 5M
b) what is the use of break and continue? 5M
- 15) Explain one dimensional array with simple C program
- 16) Explain strcat(), strcmp(), and strcpy() functions with examples
- 17) Explain function call by reference with simple C program.
- 18) Explain return values and their types with example.

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