

S.D.E.
B.C.A. SEM – I (CBCS - 2018 Course) : SUMMER - 2019
SUBJECT: C PROGRAMMING

Day: Saturday
Date: 04/05/2019

Time: 02.00 PM TO 05.00 PM
Max Marks. 70

S-2019-4944

N.B.

- 1) Attempt any **FOUR** questions from Section – I and attempt any **TWO** from Section – II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both sections should be written in **SAME** answer books.

SECTION - I

- Q.1** What is algorithm? Explain flow chart explain with an example. **(10)**
- Q.2** What is the difference between operator and operand? Explain unary and binary operators. **(10)**
- Q.3** Explain following statements in detail with example **(10)**
1) if then ... else
2) switch
- Q.4** What is two dimensional array? Write a program of multiplication of two matrices. **(10)**
- Q.5** Explain user defined function with example. **(10)**
- Q.6** Write short notes on any **TWO** of the following **(10)**
a) Storage classes
b) Bit wise operators
c) macros

SECTION - II

- Q.7** a) Write a program to find simple interest. **(08)**
b) Write a program to find whether given number is even or odd. **(07)**
- Q.8** a) Write a program to display sum of series $1/1 + 1/2 + 1/3 + 1/4 + \dots 1/n$. **(08)**
b) Write a program to print Fibonacci series up to 100. **(07)**
- Q.9** a) Write a program to swap numbers using functions. **(08)**
b) Write a program to find factorial of a number using recursion. **(07)**

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