

Seat No.	
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**B.C.A. (Faculty of Commerce) (Part - I) (Semester - I)
(Revised) Examination, April - 2017
PROGRAMMING IN 'C' (Paper - 102)
Sub. Code : 59570**

Day and Date : Tuesday, 11-04-2017**Total Marks : 80****Time : 11.00 a.m. to 2.00 p.m.**

- Instructions :**
- 1) Each question carries 16 marks.
 - 2) Solve any FOUR questions from Q.1 to Q.7.
 - 3) Q.8 is compulsory.

- Q1) a)** What is algorithm? Write an algorithm to find smallest number between any three given numbers. **[8]**
- b)** Explain different features of 'C' language. **[8]**
- Q2) a)** What is looping? Explain looping statements in 'C'. **[8]**
- b)** List and explain the various operators used in 'C'. **[8]**
- Q3) a)** Write a program in 'C' to find factorial of given number. **[8]**
- b)** Differentiate between break and continue statement. **[8]**
- Q4) a)** What is constant? Explain different types of constants used in 'C'. **[8]**
- b)** Explain goto and exit statement with example. **[8]**
- Q5) a)** Describe various forms of if statements with example. **[8]**
- b)** Write a program in 'C' to accept a string and display whether it is palindrome or not. **[8]**

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- Q6) a) What is flowchart? Write advantages and disadvantages of flowchart. [8]**
b) What is variable? Explain the concept of variable with example. [8]

Q7) What is an array? Explain different types of array with example. [16]

Q8) Attempt any FOUR questions from the following: [16]

- a) Define switch statement in 'C'.
- b) What are the types of errors?
- c) Explain basic data types used in 'C'.
- d) How to format the outputs in 'C'.
- e) Explain any two string handling functions with example.
- f) Explain simple structure of 'C' program.

