

<b>Seat No.</b>	
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**B.C.A. (Part - I) (Semester - I) Examination, November - 2015****PROGRAMMING IN 'C' PART - I (Paper -102)****Sub. Code : 59570****Day and Date : Monday, 02 - 11 - 2015****Total Marks : 80****Time : 03.00 p.m. to 06.00 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 variable? How to declare variable? Write the rules for declaration of the variable. [8]  
b) Write an algorithm and Draw flowchart for given number is even or odd. [8]
- Q2)** a) Explain different features of 'C' language. [8]  
b) Explain do while loop with their syntax and example. [8]
- Q3)** a) Write a program in 'C' to swap the values of two variables. [8]  
b) Explain Break and Continue with suitable example. [8]
- Q4)** a) Differentiate between if and switch statement. [8]  
b) What is array? Explain two dimensional arrays with suitable example. [8]

- Q5)** a) What is flowcharting? Write advantages and disadvantages of flowchart. [8]  
b) Write a program in 'C' to display transpose of given matrix. [8]
- Q6)** a) List and explain the various operators used in 'C'? [8]  
b) Explain string handling functions in 'C'? [8]
- Q7)** a) Explain how to perform input and output functions in 'C'. [8]  
b) Explain how to handle character array with suitable example. [8]
- Q8)** Attempt any Four questions from the following : [16]  
a) Explain constants in 'C'.  
b) Write a note on an algorithm.  
c) Explain Nested if else statement in 'C'.  
d) What is the use of exit statement?  
e) Explain one dimensional array in 'C'.  
f) Explain Structure of 'C' program.

