

Seat No.	
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B.C.A. (Part - I) (Semester - II) Examination, October - 2015**PROGRAMMING IN 'C' (Part - II) (Paper - 202)****Sub. Code : 59577****Day and Date : Tuesday, 27 - 10 - 2015****Total Marks : 80****Time : 11.00 a.m. to 02.00 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 structure? Explain declaration and initialization of structure. [8]
b) Explain typedef keyword with suitable example. [8]
- Q2)** a) What is pointer? How pointers are declared and initialized. [8]
b) What is union? Explain with suitable example. [8]
- Q3)** a) Write a program in 'C' for sum of two numbers by using function. [8]
b) Illustrate with suitable example array within structure. [8]
- Q4)** a) Explain concept of dynamic memory allocation in 'C'. [8]
b) Explain following file function. [8]
i) ftell () ii) fseek ()
iii) rewind () iv) getw ()

- Q5)** a) Explain storage classes used in 'C' with example. [8]
b) Explain structure within structure with example. [8]
- Q6)** Write a programme a in 'C' to create file, insert, delete & show records in it. [16]
- Q7)** a) How to define and use array of pointer. [8]
b) Write a program in 'C' to explain use of enum data type. [8]
- Q8)** Attempt any FOUR questions from the following. [16]
- a) Explain Recursive function in 'C'.
 - b) Scope of variable in 'C'.
 - c) Explain Array of structure with example.
 - d) Write Advantages of array.
 - e) Binary file and text files.
 - f) function call by value.



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