Seat
No.

B.C.A. (Faculty of commerce) (Part - I) (Semester - II)
Examination, October - 2018
PROGRAMMING IN 'C' (Part - II)
(Paper - 202) (Revised)
Sub. Code: 59577

Day and Date : Wednesday, 24 - 10 - 2018   **Total Marks : 80**
Time : 10.30 a.m. to 1.30 p.m.

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

Q1) a)   Explain recursive function with example.   **[8]**

   b)   Explain call by value and call by reference with example.   **[8]**

Q2) a)   What is Pointer? Describe declaration and initialization of pointer.   **[8]**

   b)   Differentiate between structure and union.   **[8]**

Q3) a)   Explain in detail different return values and their types used in C.   **[8]**

   b)   Explain following file function.   **[8]**

   i)   ftell()   ii)   fseek()

   iii)   rewind()   iv)   getw()

Q4) a)   What is Structure? Explain declaration and initialization of structure. **[8]**

   b)   How to define and use of array of pointer.   **[8]**

Q5) a)   Describe binary file and text file.   **[8]**

   b)   Explain various operations on file.   **[8]**

P.T.O.

Q6) a) Explain dynamic memory allocation. **[8]**

b) Write a C program using structure to store employee information (name, designation, department, salary and data of joining) **[8]**

Q7) a) Explain in detail storage classes used in C. **[8]**

b) Write a C program to swap two numbers using function. **[8]**

Q8) Write short notes on (any four): **[16]**

a) Array of structure

b) Scope of variable

c) Enumerator in C

d) File opening modes

e) Category of a function

f) Multi functioned program

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