Seat No.	

B.C.A. (Part - I) (Semester - II) Examination, October - 2017
PROGRAMMING IN 'C' (Part - II) (Revised) (Paper - II (202))
Sub. Code : 59577

Day and Date : Wednesday, 11 - 10 - 2017   Total Marks : 80
Time : 10.30 a.m. to 01.30 p.m.

Instructions :
1) Attempt any 4 questions from Q.1 to Q.7.
2) Question No. 8 is compulsory.

Q1) a) What is function? Explain concept of array to function. **[8]**

    b) Explain storage classes with example. **[8]**

Q2) a) What is Structure? Write a program for structure within structure. **[8]**

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

Q3) a) What is pointer? How pointers are declared & initialized. **[8]**

    b) Explain recursive function with example. **[8]**

Q4) a) What is prime number? Write a program to find prime number. **[8]**

    b) Explain the concept of dynamic memory allocation. **[8]**

Q5) a) Write a program for swap two numbers by using pointer to function. **[8]**

    b) Explain file operations in C with example. **[8]**

P.T.O.

Q6) a) What is enum? Explain with suitable example. **[8]**

b) Explain how union is different from structure. **[8]**

Q7) Explain in detail return value and their types. **[16]**

Q8) Write Short Notes on (Any 4): **[16]**

a) Initialization of union.

b) Array of structure.

c) Type definitions in C.

d) Scope of variables.

e) Preprocessors in C.

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