Seat No.	

B.C.A.(Faculty of Commerce) (Part - I) (Semester - I) Examination, October - 2018
PROGRAMMING IN 'C' - I
Sub. Code: 59570

Day and Date : Tuesday, 30 - 10 - 2018 **Total Marks : 80**
Time : 2.30 p.m. to 5.30 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 flowchart? Draw flowchart to accept a number and check given number is odd or even. **[8]**

b) Write difference between algorithm and flowchart. **[8]**

Q2) a) Explain different data types used in C language. **[8]**

b) Explain switch case statement with example. **[8]**

Q3) a) Explain in detail the relational and logical operators in C language. **[8]**

b) Write program to accept a number and check given number is Armstrong or not. **[8]**

Q4) Explain different types of unconditional statements in C. **[16]**

Q5) a) Write a program to accept five numbers and display maximum and minimum number among the accepted numbers. **[8]**

b) Explain nested if with example. **[8]**

Q6) a) Explain strcmp() and strlen() functions with example. **[8]**

b) Explain constants with example. **[8]**

P.T.O.

Q7) What is array? Explain one dimensional array with example.   **[16]**

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

    a)   Program structure of C

    b)   exit

    c)   do-while

    d)   printf

    e)   History of c

    f)   Increment operator

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