SA - 422

Seat No.

Total No. of Pages : 2

B.C.A. (Part - I) (Semester - I) Examination, April - 2019

Programming of In 'C' - I

Sub. Code : 59570

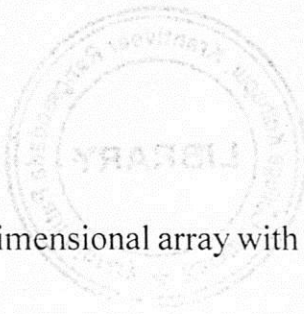Day and Date : Friday, 26 - 04 - 2019   Total Marks : 80

Time : 10.30 a.m. to 01.30 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? Explain different symbols used to draw flow chat along with its usage.   [8]

b)   Write algorithm to accept a number and check given number is odd or even.   [8]

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

b)   Write difference between while and do... while loop.   [8]

Q3) a)   Explain in detail the arithmetic operators in C language.   [8]

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

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

Q5) a)   Write a program to accept amount, rate of interest and duration. Calculate simple interest and gross payment.   [8]

b)   Explain for with example.   [8]

Q6) a)   What is string? Explain strrev() function with example.   [8]

b)   Explain reserve words in detail.   [8]

P.T.O.

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

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

   a) Problem definition, analysis

   b) goto and exit

   c) Switch case

   d) Initialization of array.

   e) History of c

   f) strupr()

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