USELT14 - Elective-I - Electronics Paper-II : C Programming-II

P. Pages : 2

Time : Three Hours

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Max. Marks : 50

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Notes : 1. All questions are compulsory and carry equal marks.
2. Use either ANSI C or TURBO C for writing program.

Either :-

1. a) Define an array? Explain one dimensional array. Explain with syntax how to initialize one dimensional and array elements are read from an array. **1+2+4 +3=10**

OR

b) What is the scope and life time of variables in function? Explain the following Storage class. **4+6= 10**
   i) Automatic storage class

   ii) Register storage class

   iii) Static storage class

   iv) External storage class.

Either :-

2. a) What is structure? Explain with suitable example. **3+7= 10**

OR

b) Define pointer? List the advantages of pointer? Explain the concept of pointer to function with example. **2+3+5 =10**

Either :-

3. a) What is file? Explain the following handling function:- **2+8 =10**

   i) fopen( ),   ii) fseek( )

   iii) fprintf( )   iv) ftell( )

OR

b) Explain error handling functions in file related operations. **10**

Either :-

4. a) Explain the basic concept of object orient programming. What is the difference between C and C++? Explain with example input and output operators in C++. **10**

OR

b) Explain the keywords, identifiers, constants and variables in C++? **10**

5.   Attempt **any ten** out of the following   **1x10=**
                                                                                                        10

   a)   Define function?

   b)   What is recursion?

   c)   Write the syntax of two-dimension array?

   d)   What is union?

   e)   What is scale factor?

   f)   What is the difference between pointer and array?

   g)   What is the use of following function.
        rewind ()?

   h)   What is the use of command line?

   i)   What is the operation of function fopen()?

   j)   What is operator overloading?

   k)   What is encapsulation?

   l)   What are manipulator?

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