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Question Paper Code: 53802

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020

Third Semester

Information Technology

19UIT303 - C PROGRAMMING

(Regulation 2019)

Duration: One hour

Maximum: 30 Marks

Answer ALL Questions

PART A - (5 x 6 = 30 Marks)

1. (a) Develop a program to find the second largest value among three input values. App (6)

Or

(b) Find the closest number to A that is divisible by B and print the result. Let us say, A = 16 and B = 3, then the closest number to A that is divisible by B is 15, since 15 is the closest to 16 that is divisible by 3. App (6)

2. (a) Develop a program to print a given integer in the reverse order. For instance, if the given input is 123, then the output should be 321. App (6)

Or

(b) Develop a program to check whether a given number is Armstrong number or not. For instance, 153 is an Armstrong number, since $1^3 + 5^3 + 3^3 = 1 + 125 + 27 = 153$. App (6)

13. (a) Develop a program to find the missing element in a set of contiguous array elements. For instance, if the input array elements are 11,13,14,15,16 then the output should be 12, since 12 is the missing element in the array. App (6)

Or

- (b) Develop a program to check whether the given array elements are in decreasing order or not. For instance, if the input elements are 5,4,3,2,1 then the output should be printed as ‘Given array is in decreasing order’.
- App (6)
14. (a) Develop a program to store the information of the students and display them using structure.cyclic or not.
- App (6)
- Or
- (b) Develop a program to store the details of an employee and display them using structure.
- App (6)
15. (a) Develop a Program to Open a File, Write in it, And Close the File
- App (6)
- Or
- (b) Develop a Program to Open a File, Read from it, And Close the File
- App (6)