

Code No: 132AD**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B.Tech I Year II Semester Examinations, June - 2022****COMPUTER PROGRAMMING IN C****(Common to EEE, ECE, CSE, EIE, IT, ETM)****Time: 3 Hours****Max. Marks: 75**

Answer any five questions
All questions carry equal marks

- 1.a) Discuss various categories of computing environments.
- b) Draw a flow chart to check whether the given number is perfect number or not. [8+7]
- 2.a) Discuss in brief about loop statements in 'C' language.
- b) Write a C program to check whether a number is palindrome or not. [8+7]
- 3.a) Differentiate between user defined and system defined functions.
- b) Why we need storage classes? List and explain the various storage classes present in language 'C'. [6+9]
- 4.a) What is recursion function? Discuss the limitations of recursion.
- b) Explain the binary search method. [7+8]
5. Explain the following.
 - a) Passing an array to a function.
 - b) Arrays of strings. [7+8]
- 6.a) Explain various string manipulation functions with example program.
- b) Explain in brief about pointer applications. [7+8]
- 7.a) Differentiate between structures and unions.
- b) What is enumeration? Explain with suitable example. [7+8]
- 8.a) Write a C program to copy the contents of one text file to another text file.
- b) Explain various file status functions. [8+7]

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