FirstRanker.com Enrolment FirstRanker.com www.FirstRanker.com GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER- I & II (OLD) EXAMINATION - WINTER 2019 Subject Code: 110003 Date: 07/01/2020 Subject Name: Computer Programming And Utilization Time: 10:30 AM TO 01:00 PM Total Marks: 70 Instructions: 1. Attempt any five questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. (a) Explain types of programming languages. Differentiate between compiler and 0.1 07 interpreter. (b) Define algorithm and explain different symbols used in flowchart 07 (a) Explain different data types used in C Language. 07 0.2 (b) Write a program that converts Fahrenheit temperature to centigrade 07 Cent.=5/9(fahr.-32) (a) Explain scanf() and printf() with syntax. 07 0.3 Explain different operators in C. 07 (b) State the different types of If statement and explain any one with proper example. 07 Q.4 (a) (b) What is the purpose of switch statement? Explain its syntax with an example. 07 Write a C program to capitalize all the letters of a string entered. 07 0.5 (a) Explain two dimension arrays and write a program to read and write a 2D array. 07 (b) What is array of pointers? How its declared and explain in brief. 07 0.6 (a) (b) Write a program to do swapping of two numbers without using temporary 07 variable using functions. www.Filesterman. 0.7 (a) Difference between Structures and Unions. 07 (b) Explain File operations in C. 07 1

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