Subject Code: 2110003

Date: 23-06-2014

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER- 1st / 2nd • EXAMINATION – SUMMER • 2014

Subject Name: Computer Programming and Utilization Time: 02:30 pm - 05:00 pm **Total Marks: 70 Instructions:** 1. Question No. 1 is compulsory. Attempt any four out of remaining Six questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. **Q.1 Objective Question (MCQ)** 07 (a) To Learn Computer, without going to classroom what will be other way 1. a) Distance Learning b) I-Learning c) Digital Learning d) E-Learning How to write E mail Address ? 2. a) xyz@website.info b) xyz@website@info c)xyz.website.info d)xyzwebsite.info What will be a meaning of 1KB of memory 3. a) 1 Kit Bit b) 1 Kilo Byte c) 1 Kernel Boot d) 1 Key Block Full Form of RAM? 4. a) Random Access Memory b) Ready Application Module c) Remote Access Machine d) Read Access Memory What is Computer Virus ? 5. a) Software b) Hardware c) a and b d) None of above 6. Full form of IP? a) Internet Principle b) Intercom Protocol c) Intranet Protocol d) Internet Protocol What will be extension of Web Page's file? 7. c).html a) .xls b) .3gp d).ppt 07 **(b)** Which of following loop is executed at least once? 1. b) for a) do-while c) if d) while What will be printed if we type the statement printf("%d|n", 'd'); 2. b) 100 a) 0 c) error d) d C is a 3. language. a) High level b) Middle level c) Machine level d) Low level Which header file is essential for using printf() function ? 4. a) text.h b) strings.h c) stdio.h d) strcmp.h Which among the following is a unconditional control structure. 5. a) goto b) for c) do-while d) if-else A pointer value refers to 6. a) A float value b) An integer constant c) Any valid address in memory d) None Recursion is a process in which a function calls 7. c) main() function a) itself b) another function d) none of the above

Q.2	(a) (b)	1) Operating System2) Compiler3) Interpreter4) Assembler5) Loader6) Linker7) Preprocessor.	07 07
Q.3	(a) (b)	Explain primary data types used in C. Write a program to select and print the largest of the three nos. using nested-if-else statement.	07 07
Q.4	(a) (b)		07 07
Q.5	(a) (b)	1) strcpy() 2) strcat() 3) strlen() 4) strcmp()	07 07
Q.6	(a)	List out the categories of functions of C. Explain any one category with example.	07

- (b) What is pointer ? Give its benefits. Write a program to do swapping of two 07 elements using function with two pointers as arguments.
- Q.7 (a) What is structure ? Explain nested structure and array of structure with example.
 (b) What is file management ? List the different file management functions and explain 07 the various file modes.
