



DHARMSINH DESAI UNIVERSITY, NADIAD
FACULTY OF TECHNOLOGY
B.TECH. SEMESTER – II [CE/EC/IT]
SUBJECT:(CT–215) C PROGRAMMING-II

Examination	:	Block Exam	Seat No	:	_____
Date	:		Day	:	
Time	:		Max Marks	:	36

INSTRUCTIONS:

1. Figures to the right indicate maximum marks for that question.
2. The symbols used carry their usual meanings.
3. Assume suitable data, if required & mention them clearly.
4. Draw neat sketches wherever necessary.

Q.1 Do as Directed		
(a)	Explain following terms: 1) bit field 2) slack byte	[2]
(b)	With example explain use of ferror() and feof() functions.	[2]
(c)	Demonstrate how Compiler controller directives can be used in debugging	[2]
(d)	Explain working of following string handling functions 1) strstr 2) strncat	[2]
(e)	Differentiate the following: 1) Structure with union. 2) Static and Dynamic array.	[4]
Q.2 Answer the following questions		
(a)	Define a structure Date_format containing three members integer month, integer date and integer year. Develop a program that would assign values to the individual members and utilize the following functions. 1) Create a display_dt() function to show the date in following format: 10/08/2018 2) Create a display_mnt() function to show the date in following format: 10-AUG-18	[6]
(b)	Write an algorithm to delete all nodes with data(character) 'A' from singly linked list.	[6]
Q.3 Answer the following questions.		
(a)	Write a program to overwrite all occurrences of particular character by new character from the given string.	[6]
(b)	Explain with Example(s): Functions used in random access of files	[6]