

# C.U.SHAH UNIVERSITY

## Summer Examination-2018

**Subject Name : Advanced C Programming**

**Subject Code : 4CS03ACP1**

**Branch: M.Sc. CA & IT (Integrated)**

**Semester : 3**

**Date : 20/03/2018**

**Time : 02:30 To 05:30**

**Marks : 70**

**Instructions:**

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

<b>Q-1</b>	<b>Attempt the following questions:</b>	<b>(14)</b>
	a) A variable which contains an address of another variable in memory is called (a) Pointer (b) Structure (c) array (d) None of These	1
	b) What is Structure?	1
	c) _____ is memory allocation Function. (a) Call (b) malloc (c) pointer (d) None of these	1
	d) What is Union?	1
	e) What is File?	1
	f) C is _____ language. (a) Procedural language (b) Project language (c) Program language (d) None of these	1
	g) # is _____. (a) Preprocessor (b) Object (c) Pointer (d) None of these	1
	h) _____ is storage class in c language. (a) Auto (b) Extern (c) both (d) None of these	1
	i) What is User Defined Function?	1
	j) List any two features of C Language.	1
	k) Who Invented C language? (a) Charles Babaze (b) Denis Richie (c) Denis Botham (d) None of These	1
	l) Enlist the string handling Function.	1
	m) Enlist the Preprocessors.	1
	n) Enlist Storage Class.	1

**Attempt any four questions from Q-2 to Q-8**

<b>Q-2</b>	<b>Attempt all questions</b>	<b>(14)</b>
	(A) What is Pointer? Explain the Advantages of Pointer in brief.	7
	(B) Explain Recursion in brief.	7



<b>Q-3</b>	<b>Attempt all questions</b>	<b>(14)</b>
	(A) Explain Structure with suitable example.	7
	(B) Explain Storage Class in brief.	7
<b>Q-4</b>	<b>Attempt all questions</b>	<b>(14)</b>
	(A) Enlist the types of User Defined Function. Explain in brief.	<b>(10)</b>
	(B) Explain FOPEN function in brief.	<b>(04)</b>
<b>Q-5</b>	<b>Attempt all questions</b>	<b>(14)</b>
	(A) Differentiate While Versus Do While loop in brief.	7
	(B) Explain Nested For loop with Suitable Example.	7
<b>Q-6</b>	<b>Attempt all questions</b>	<b>(14)</b>
	(A) Write a brief note on “UNION” in C language.	7
	(B) Write a brief note on String Handling in brief.	7
<b>Q-7</b>	<b>Attempt all questions</b>	<b>(14)</b>
	(A) What is Operator? Explain any two C Operator in brief.	7
	(B) Write a “C” Program which find out the factorial using recursion.	7
<b>Q-8</b>	<b>Attempt all questions</b>	<b>(14)</b>
	(A) Write a “C” Program which print fibonanci series using recursion.	7
	(B) Write a “C” Program which illustrates Pointer to Array with suitable example.	7

