

Enrollment No:-\_\_\_\_\_

Exam Seat No:-\_\_\_\_\_

# C.U.SHAH UNIVERSITY

Summer-2015

Subject Code: 4CS01ICL1

Subject Name: Programming in C

Course Name: B.Sc. (IT)

Date: 7/5/2015

Semester:I

Marks: 70

Time:10:30 TO 01:30

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**Instructions:**

- 1) Attempt all Questions of both sections in same answer book/Supplementary.
  - 2) Use of Programmable calculator & any other electronic instrument prohibited.
  - 3) Instructions written on main answer book are strictly to be obeyed.
  - 4) Draw neat diagrams & figures (if necessary) at right places.
  - 5) Assume suitable & perfect data if needed.
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**Q.-1 Attempt the following. (Each of Two marks)**

**14**

- a) List various C tokens
- b) Explain comments in C
- c) List various Arithmetic operators
- d) Define: Constant
- e) What is variable?
- f) Define the term: Operator
- g) What is simple if?

**Attempt any FOUR Questions from Q.-2 to Q-8.**

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|------|---|---|
| Q.-2 | a) Explain While loop with suitable example       | 5 |
|      | b) Describe goto statement                        | 5 |
|      | c) Explain array with suitable example            | 4 |
| Q.-3 | a) Explain Do While loop with suitable example    | 5 |
|      | b) Explain switch statement with suitable example | 5 |
|      | c) Explain if else with suitable example          | 4 |
| Q.-4 | a) Explain Two dimensional array                  | 5 |
|      | b) Explain array of pointers                      | 5 |
|      | c) Explain strlen() and strcmp()                  | 4 |
| Q.-5 | a) Describe UDF                                   | 5 |
|      | b) Explain recursive function                     | 5 |
|      | c) Explain strcpy() and strcat()                  | 4 |



- Q.-6 a) Write a note on: structure 5  
b) Explain array of structure 5  
c) Differentiate union and structure 4
- Q.-7 a) Describe pointer in C 5  
b) Explain command line argument 5  
c) Explain any two file handling functions 4
- Q.-8 a) Write a C program to reverse a digit 5  
b) Write a C program to sum of series  $2 + 4 + 6 \dots N$  5  
c) Write a C program to print the following triangle 4
- ```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

