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**NMAM INSTITUTE OF TECHNOLOGY, NITTE**

(An Autonomous Institution affiliated to VTU, Belagavi)

**II Sem B.E. (Credit System) Mid Semester Examinations - I, February 2016****15CS111 - COMPUTER CONCEPTS AND 'C' PROGRAMMING**

Max. Marks: 20

Note: Answer any **One** full question from **each Unit**.

Marks BT\*

**Unit - I**

- |       |   |    |     |
|-------|---|----|-----|
| 1. a) | Design an algorithm and flowchart to find the roots of a quadratic equation $ax^2+bx+c=0$ .                                   | 06 | L*6 |
| b)    | What is a data type? Discuss the various simple primitive data types supported in C language along with their range and size. | 04 | L2  |
| 2. a) | What is type conversion? Explain the different types of type conversion techniques with example.                              | 06 | L2  |
| b)    | Compute the value of 'a' after the execution of the following expressions. Assume that the initial value of a=3               |    |     |
| i.    | $a=(-a)-(a--)$  | 04 | L3  |
| ii.   | $a+=(a++)+(++a)$  |    |     |

**Unit - II**

- |       |  |    |    |
|-------|--|----|----|
| 3. a) | Explain the formatted output with example. Also Brief out the field width specification for integers and float.  | 05 | L2 |
| b)    | Write a C program to display the sum of N Natural numbers. Check if the number entered is a negative number and display an appropriate error message for the same. | 05 | L2 |
| 4. a) | Compare and contrast <i>break</i> and <i>continue</i> Statement with a programming example.  | 05 |    |
| b)    | Design a C program for simulation of a simple calculator using <i>else-if-Ladder</i>   | 05 |    |

BT\* Bloom's Taxonomy, L\* Level

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# NMAM INSTITUTE OF TECHNOLOGY, NITTE

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II Sem B.E. (Credit System) Mid Semester Examinations - I, February 2016

15HU114 - ENGLISH AND COMMUNICATION SKILLS

Max. Marks: 20

Duration: 1 Hour

Note: Answer any **One** full question from **each Unit**.

## Unit - I

- |   | Marks | BT* |
|---|-------|-----|
| a) Transcribe the word and Mark the Primary Stress<br>i) Pool    ii) Beat    iii) Seat    iv) Ask    v) Car    vi) Bow    vii) Gold<br>viii) No    ix) Poor    x) Geography | 05    | L*3 |
| b) List differences between British and American accent with examples you have learnt.  | 05    | L1  |
- 
- |  |    |    |
|--|----|----|
| a) Transcribe the word and Mark the Primary Stress<br>i) Particular    ii) Democracy    iii) Year    iv) Effect    v) Thin    vi) Positive<br>vii) Wonder    viii) Vision    ix) Toy    x) Oil | 05 | L3 |
| b) What is word stress? State any four rules to substantiate.  | 05 | L1 |

## Unit - II

- |  |    |      |
|--|----|------|
| a) Communication is hindered by certain factors. Throw light upon the barriers of Communication. | 05 | L2&4 |
| b) What is Communication?  | 05 | L1   |
- 
- |  |    |    |
|--|----|----|
| a) How does communication take place? What are the different modes and situations? | 05 | L2 |
| b) How is Spoken Communication different from Written Communication?               | 05 | L2 |

\* Bloom's Taxonomy, L\* Level

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