NMAM INSTITUTE OF TECHNOLOGY, NITTE
(An Autonomous Institution affiliated to VTU, Belgaum)
II Sem B.E. (Credit System) Mid Semester Examinations – II, March 2014
13CS111 – COMPUTER CONCEPTS AND 'C' PROGRAMMING

Duration: 1 Hour

Max. Marks: 20

Note: Answer any One full question from each Unit.

Unit – I

1. a) Write a C program to transpose a matrix of order m x n and print the matrix before and after transposing.   6

   b) Write a C program to find sum of squares of n natural numbers.   4

2. a) Explain compile time initialization of integer array and character array with examples.   5

   b) Explain categories of functions with an example for each.   5

Unit – II

3. a) Write a C program to input n integer numbers into a single dimensional array, sort them into ascending order using selection sort technique, and then print both the given array and the sorted array with suitable headings.   6

   b) Explain function definition along with syntax and example.   4

4. a) Write a C program to perform a linear search for a given key integer in a single dimensional array of numbers and report success or failure in the form of a suitable message using functions.   6

   b) Explain the following string handling functions by taking two strings.   4

   i) strcat

   ii) strcmp

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I Sem B.E. (Credit System) Mid Semester Examinations – I, September 2014
14CS111 – COMPUTER CONCEPTS AND 'C' PROGRAMMING

Duration: 1 Hour   Max. Marks: 20

Note: Answer any One full question from each Unit.

Unit – I

1. a) With a neat diagram explain information processing cycle.   4
   b) Explain standard keyboard layout. Discuss the working of keyboard.   6

2. a) Define Algorithm and Flowchart. Write a flowchart for checking the given number is even or odd.   4
   b) Define identifier. Mention the rules for identifier with example.   6

Unit – II

3. a) Explain implicit and explicit type conversions with examples.   4
   b) Evaluate the following expression

      i. $x-y/2+z\%8+25$ where $x=1, y=2, z=3$

      ii. $a+=(a++)+(++a)$ where $a=5$

      iii. $a+b/c>2*c||a-b<c\&\&c<<2$ where $a=5, b=4, c=6$

4. a) Write a C program to find the largest of 3 numbers by using if else.   4
   b) With syntax and example explain formatted input and output functions for reading and displaying a single character.   6

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II Sem B.E. (Credit System) Mid Semester Examinations – II, March 2014

13HU114 – ENGLISH & COMMUNICATION SKILLS

Max. Marks: 20

n: 1 Hour

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

Unit – I

5

ɔgue between two friends discussing about the facilities at NMAMIT.

5

ɪe requirements in delivering a welcome address?

_ the different stages in delivering a short formal speech? Explain each stage.

10

Unit – II

ne following into indirect requests

i.   Get me something to work

ii.   Help me with these problems

iii. Show me the way to the English lab

5

v.   Value these assignments

v.   Submit the report tomorrow

What are the advantages and disadvantages of telephone as a medium of
communication?

5

5

a) List out common telephone manners.

5

b) What are the things to be kept in mind before a professional telephone call?

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14HU114 – ENGLISH AND COMMUNICATION SKILLS

Duration: 1 Hour   Max. Marks: 20

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

Unit – I

1. a) Transcribe the following words into IPA and mark the stress.
   i) Sunday ii) Biology   iii) Object (n)   iv) Conduct (v)   v) Stand
   vi) Unforgivably   vii) Economyviii) Officialix)Particularx) Breakfast   05
   b) What do you know about word stress? List out any 4 rules with examples.   05

2. a) Transcribe the following words into IPA and mark the stress.
   i) Grammatical ii) Good-looking iii) Electric   iv) Office   v) Present (n)
   vii) Forgive   vii) Operate   viii) Musicix) Family   x) Handbag   05
   b) Write a note on strong and weak forms of words. Give examples for auxillaries.   05

Unit – II

a) What is communication? What are the essentials of effective communication?   05
b) REWRITE the following paragraph by filling in the blanks with appropriate prepositions given :(to, from, on, in, for)
My English Text book was kept _____ the table and it had two thousand rupees _____ it. Somebody took the money _____ the book, kept it there itself and stole my English Text book. Now, I will not be allowed _____ the English Lab. Probably, I can ask _____ permission till I get another one as they didn't take my money!   05

a) What are the barriers in communication? Illustrate with examples.   05
b) REWRITE the paragraph using articles.
_____ University wit thought to himself that English was _____ easiest subject that he had learnt. So, he tried to learn Chinese and bought _____ book called 'Yu-si-its-nut-easee'. Within three days, he threw _____ book and wrote a book about English being _____ important language which needs to be learnt.   05

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