



NMAM INSTITUTE OF TECHNOLOGY, NITTE

(An Autonomous Institution affiliated to VTU, Belgaum)

II Sem B.E. (Credit System) Mid Semester Examinations – I, January 2015

14CS111 – COMPUTER CONCEPTS AND 'C' PROGRAMMING

Max. Marks: 20

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

Unit – I

1. a) Define Computer. Explain the different types of computer for organization. 5
- b) Explain the working of CRT monitor. 5
2. a) List the different symbols used in flowchart. Write the flowchart to find the roots of quadratic equation. 6
- b) Explain C tokens with example for each. 4

Unit – II

3. a) With syntax & examples explain the formatted output function. 5
- b) Evaluate the following expressions: 5
 - i. $a / b \leq c - d + a \% 10 - b == d \geq e != b$ where $a=100, b=20, c=10, d=5, e=1$
 - ii. $a + 2 > b \&\& !c || a != d \&\& a - 2 \leq e$ where $a=11, b=6, c=0, d=7, e=5$
 - iii. $a = (-- a) - (a --)$ where $a=5$
4. a) Explain else-if ladder with syntax & flowchart.
- b) Write a C program to check whether a given number is zero, positive or negative number. 5

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II Sem B.E. (Credit System) Mid Semester Examination - II, March 2015

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) Explain switch statement with an example. 4
 b) Write a C program to evaluate the equation $y = x^n$ using
 (i) while construct (ii) for construct 6
2. a) Explain with syntax (i) goto statement (ii) break statement. 5
 b) Write a C program to reverse the number and check whether the given number is
 palindrome or not 5

Unit – II

3. a) Define function. Explain the various categories of functions. 5
 b) Write a C program to implement selection sort. 5
4. a) Explain various ways to initialize one dimensional array. 4
 b) Write a C program using functions readmat(), rowsum (), totsum () and printmat() to
 read the values into a two dimensional array A, find the sum of all the elements of a row,
 find the total sum of all the elements of the two dimensional array A and print the results 6



C

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III Sem B.E. (Credit System) Mid Semester Examinations - II, March 2015

14HU114 – ENGLISH AND COMMUNICATION SKILLS

Duration: 1 Hour

Max. Marks: 20

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

Unit – I

1. a) Substantiate the statement, "The argument method is polarized while six thinking hats method helps collective exploration of problems." 05
- b) Discuss the connection between the challenges faced by the cockroach and the difficulties faced by the humans in the light of the poem "Cockroach." 05
2. a) What is the reason for the cockroach's restlessness in Kevin Halligen's poem? 05
- b) Discuss Edward de Bono's "Six Thinking Hats" approach. 05

Unit – II

3. a) Write an application and CV for the following advertisement.
Post : Quality Testing Engineer in XYZ, Bangalore
Qualification : M.Tech in Computer Science Engineering
Experience : 2-4 Years
Candidates with prior experience in the field of testing are preferred. 05
- b) Discuss the advantages and disadvantages of telephone communication? 05
4. a) Write an application and CV for the following advertisement
Post : Software Trainee, ABC Hyderabad
Qualification: B.E.
Freshers Can apply
Candidates with excellent communication skills are preferred. 05
- b) What kind of preparation is required before making professional calls? 05
