

Sections: A,B,C,D,E,F

**NMAM INSTITUTE OF TECHNOLOGY, NITTE**

(An Autonomous Institution affiliated to VTU, Belgaum)

**I Sem B.E. (Credit System) Mid Semester Examinations – I October 2012****12CS111 – COMPUTER CONCEPTS & C PROGRAMMING**

Max. Marks: 20

Duration: 1 Hour

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

1. a) Define a variable. List out the rules to be followed for naming a variable.  
 b) Evaluate the following expression where a=10,b=2,c=4,d=7,e=3,f=0  
 $(a/b-c) \&\& (d\%e) || ((f/a) != d < !f)$   
 c) For the following program, if any error state error; otherwise write output

(i) #define x 5+2

int main()

```
{
  int i;
  i=x*x*x;
  printf("%d",i);
  return 0;}
```

(ii) int main()

```
{
  int i=5;
  i++;
  printf("%d\t",i++);
  printf("%d",i);
  return 0;}
```

2. a) Along with example explain different types of type conversion.  
 b) Define precedence and associativity. Write precedence and associativity of arithmetic operators.  
 c) For the following program, if any error state error; otherwise write output

(i) int main()

```
{ int b=4,c=2,d;
  d = ++c % -b;
  printf("%d",d);
  return 0;
}
```

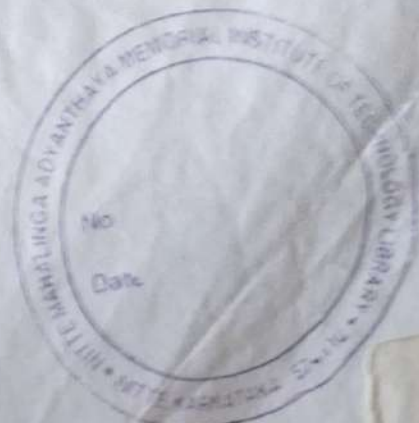
(ii) int main()

```
{ float a=5;
  int b=5;
  if(a==b)
    printf("Equal");
  else
    printf("Not equal");
  return 0;}
```

**Unit – II**

3. a) Explain ternary operator with one C program example.  
 b) Write a flowchart and C program to read marks in three subjects and find average of best of two marks.  
 4. a) Explain formatted input function with syntax and example.  
 b) Mention rules for switch statement. Write a C program using switch statement to find area of a square, area of rectangle and area of circle.

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## I Sem B.E. (Credit System) Mid Semester Examinations – II November 2012

12CS111 – 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 neat diagram explain functional units of a computer. 5
- b) Explain the following with example. 5
  - i) break statement
  - ii) continue statement
2. a) Explain working of CRT monitor. 5
- b) Write a C program to calculate GCD and LCM using Euclid's method. 5

### Unit – II

3. a) Explain function definition giving its general format and an example. 5
- b) Write a C program to list all the numbers divisible by 2 in an array of N integers. 5
4. a) Write a C program to read two strings into s1, s2. Compare whether they are equal or not. If they are not, join them together. Then copy the contents of s1 to s3. Print s1, s2, s3 along with their lengths. Use string built-in functions. 5
- b) Write a C program to transpose a matrix of order m x n and find the trace of the resultant matrix. 5

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Sections: A - F

**NMAM INSTITUTE OF TECHNOLOGY, NITTE***(An Autonomous Institution affiliated to VTU, Belgaum)***I Sem B.E. (Credit System) Mid Semester Examinations – I October 2012****12HU114 – ENGLISH AND COMMUNICATION SKILLS**

Max. Marks: 20

Duration: 1 Hour

Note: 1) Answer **Two** full questions choosing **One** from **each** Unit.  
 2) All questions carry equal marks.

**Unit – I**

- a) Transcribe the following words into IPA: theme, shape, those, judge, chap, sing, pleasure, yacht, bird, palm, pool, call, chair, coil, how, tour, high, seer, good, above. 5
- b) Explain with graphic representations on what you know and understand by stress, intonation, their patterns and their kinds. 5
- a) Choose at least twenty words that will represent the 9 unfamiliar consonant sounds, 5 long vowels and 8 diphthongs. 5
- b) Show your familiarity with stress, intonation, weak and strong forms with relevant examples and graphic representations. 5

**Unit – II**

Write a full fledged business letter to an Institute / firm of your choice and format / frame a CV of not less than 5 years of experience after graduation. All steps of letter and CV writing should be involved. 10

Write an application for the job of a junior executive to 'the general manager, Infosys, IT City, Bangalore,' attaching a relevant CV to justify your application. Mention meaningfully all the steps of CV and letter writing. 10

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**NMAM INSTITUTE OF TECHNOLOGY, NITTE***(An Autonomous Institution affiliated to VTU, Belgaum)***I Sem B.E. (Credit System) Mid Semester Examinations – II November 2012****12HU114 – ENGLISH AND COMMUNICATION SKILLS**

Duration: 1 Hour

Max. Marks: 20

Note: 1) Answer **Two** full questions choosing **One** full question from **each Unit**.  
 2) All questions carry equal marks.

**Unit – I**

1. a) Explain report and various types of reports. 5  
 b) Briefly describe all the steps of 'Front Matter'. 5
2. Give all the steps for an interpretative report with a brief description for each step. 10

**Unit – II**

1. Highlight on the essentials of paragraph writing and the types of paragraphs. 10
- a) What are the types of clauses? Give explanation with an example for each clause. (main, co-ordinate, noun, adjective and adverb clauses.) 5
- b) What are the types of sentences? Give an example each for all four types. 5

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