

Roll No.

--	--	--	--	--	--	--	--	--	--

26

B.E. / B.Tech (Full Time) End Semester DEGREE EXAMINATIONS, March 2011

First Semester

Common to All Branches

GE 9112 - FUNDAMENTALS OF COMPUTING

(Regulation 2008)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART- A (10 x 2 = 20 Marks)

1. List the four basic parts of a complete computer system
2. Define Operating System
3. What are the parts of internet address ?
4. Give any two types of image files
5. What is the output of a following :
int p=23, q=4;
p= p++ % 4 ;
printf ("\n%d : %d", p, p%q);
6. Write a for loop to display the multiplication table for a number n up to t terms.
7. Show the ways of assigning a value "universe" to a variable.
8. How to store more than one values to a single variable?
9. Write any two pre-defined functions
10. What is the purpose of pointer variable ?

PART – B (5 x 16 = 80 Marks)

11. i) List the various arithmetic and logical operators available in C.
State the usage of each operator with example. (10)
ii) Write a C program to find the greatest and smallest numbers from a given set of numbers without using array. (6)
12. a) i) What are the various types of storage devices. (8)
ii) Describe the different kinds of network topologies with neat sketch (8)

(OR)

- b) i) Define main memory. How the different types of memory are classified?
Discuss with neat diagram (10)
ii) Write short notes on cache memory (6)
13. a) i) Describe the edit, table and font features available in document writer to enhance the quality of document typing. (10)
ii) Explain how a "formula" option is used in Spreadsheet with example. (6)

(OR)

- b) i) Describe the services of internet (6)
ii) What is www? Explain the usage of email and connecting to internet. (10)

14. a) i) Define array variable. Describe its declaration and usage with example for integer, character and float arrays. (10)

ii) Write a C program to add two given arrays of equal sizes. (6)

(OR)

b) i) List the string operations in C and state the usage of each with example. (8)

ii) Write a C program to find the total number of alphabets, numerals and special characters in a given string. (8)

15. a) i) Write a menu driven program in C to perform addition, multiplication, division, square and percentage operations. (10)

ii) What is linked list ? Specify its components with neat sketch (6)

(OR)

b) i) What is function ? What are the advantages of function ? (10)
Give examples for functions that return and not return a value.

ii) Define a structure for the "date" values which may comprise of 2 digit day, 2 digit month and 4 digit year. Store the date 23/03/2011 in it and increment. (6)
