

**B.E./B.TECH. DEGREE EXAMINATIONS, JANUARY 2010
REGULATIONS 2008
FIRST SEMESTER
COMMON TO ALL BRANCHES
GE2112 FUNDAMENTAL OF COMPUTING AND PROGRAMMING**

PART A-(10*2=20MARKS)

- 1.Distinguish between Analog and Digital computer.
- 2.Convert 0.4375 decimal to binary system.
- 3.Distinguish between compiler and interpreters.
- 4.What is web server?
- 5.What is an algorithm?
- 6.Give the importance of a graphic packages.
- 7.Write a code segment using while statement to print numbers from 10 down to 1.
- 8.Write a c program for the following expressions.
(a) $a=5 \ \&\&= \ 8 \ \&\& \ ; \ 6!=5$
(b) $a = b++ + ++b$ where $b = 50$
- 9.How strings are represented in c language?
- 10.What are the advantages of unions over structures?

PART B-(5*16=80 MARKS)

- 11.(a)(i)What are the characteristic of a computer? Discuss
(ii)Briefly explain the various generations of computers.
(iii)Convert the decimal number 59.8125 into binary and octal.
(OR)
11(b)Explain the different components of a computer system with block diagram.
- 12.(a)(i)Describe the different types of software with examples.
(ii)List the different software development steps and explain.
(OR)
12.(b)(i)Explain the common types of internet access.
(ii)Write short notes on web browser.
(iii)Explain a typical structure URL.
13. (a)Draw and explain the various symbols of flowchart and also draw the flowchar to add an array of N elements
(OR)
13.(b)(i)Explain the features of Power Point package.
(ii)List and explain the features supported by spreadsheet package.
(iii)Briefly write about Desktop Publishing Software.

14.(a)(i)What are the different operators available in C? Explain with examples.

(ii)Differentiate between signed and unsigned integer.

(OR)

14.(b)(i)Explain the following conditional statements.

1.nested if-else statement

2.switch-case statement

(ii)Write a C program that reads a number and display whether the number is prime or not.

15.(a)(i)Write a C program to reverse a given string.

(ii)Differentiate pass by value and pass by address in c.

(OR)

15.(b)Write a C program that gets and display the report of n students with their personal and academic details using structures.