**MASAI TECHNICAL TRAINING INSTITUTE**

diploma **IN INFORMATION TECHNOLOGY**

**MODULE 1**

**Structured programming END TERM**

**2013 Term II – 18th June, 2013.**

1.a)(i)What is a static variable?

(ii) What is scope & storage allocation of extern and global variables?

( iii) What is scope & storage allocation of register, static and local variables? 6marks

2. In code snippet below:

struct Date {

int yr;

int day;

int month;

} date1,date2;

date1.yr = 2004;

date1.day = 4;

date1.month = 12;

Write a function that assigns values to date2. Arguments to the function must be pointers to the

structure, Date and integer variables date, month, year. (6marks)

3. (i)Enlist 5 features of C.

(ii) Explain different data types used in C language?

(iii) Explain type identifiers in C? 6marks

4. (i)Explain in brief structure of C programming?

.(ii) what is operator enlist all operators used in C?

(iV) what is data type explain the any four data types used in C language? 6marks

5.(i) Explain the difference between ‘=’ and ‘==’ operator explain with

example?

(ii)Write a short note precedence & order of evaluation?

(iii) Differentiate between relational and logical operators used in C? 6marks

6.(i) Write a C Program to find the position of given number in array

(ii) Write a C Program to print transpose of matrix

(iii) Write a C Program to print equivalent binary number of given decimal number 15marks