2011

M.Sc.

1st Semester Examination

ELECTRONICS

PAPER—ELC-105

(PRACTICAL)

Full Marks : 50

Time : 3 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

(*Computation Laboratory*)

Answer any *one* question, selecting it by a lucky draw.

1. Write a program in 'C' to check a year whether it is Leap Year or not.

2. Write a program in 'C' to convert a decimal number to binary number.

3. Write a program in 'C' to check a number whether it prime or non-prime.

4. Write a program in 'C' to calculate the roots of quadratric equation.

5. Write a program to find the value of Sin(X) where X degree.

6. Write a program in 'C' to check a number whether it even or odd.

7. Write a program in 'C' to compute the area and perimet of a circle.

8. Write a program in 'C' to check a number whether it Armstrong or not.

9. Write a program in 'C' to convert a binary number decimal number.

10. Write a program to generate Fibonacci series.

11. Write a program in 'C' to compute the factorial of a integer.

12. Write a program in 'C' to find the value of exp(x) with th help of exponential series.

13. Write a program in 'C' to check a number whether it is palindrome or not.

14. Write a program in 'C' to convert a given temperature in Centigrade scale to Fahrenheit scale.

15. Write a program in 'C' to generate Fibonacci series up to 10 items.

Distribution of Marks

Program	:	10 Marks
Execution	:	20 Marks
Discussion & Accuracy	:	05 Marks
Viva	:	10 Marks
Laboratory Note Book	:	05 Marks
Total	:	50 Marks