

2015

M.Sc.

2nd Semester Examination

COMPILER LAB

PAPER—COS-206

(Practical)

Full Marks : 25

Time : 2 Hours

The questions are of equal value.

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.

Illustrate the answers wherever necessary.

Answer any *one* question : 15×1

1. Write a LEX program which recognize english words according to english grammar.
2. Write a LEX program to prepend line numbers to each line in a file.
3. Write a LEX program which find out area of circle.

(Turn Over)

4. Write a program in LEX / YACC to recognize strings $a^n b^n$ ($n \geq 1$).
5. Write a program in LEX / YACC to implement a simple desk calculator.
6. Write a LEX program to find simple and compound statement.
7. Write a LEX program which find out total vowels from the input.
8. Write a LEX program to display occurrences of word computer in text.
9. Write a program in LEX / YACC which takes a English sentence as input and gives the output as the parts of speech.
10. Write a LEX program which find out sum of first n numbers.
11. Write a program to check whether a given string is valid ID(identifier) or keyword or RELOP(Relational Operator).

Viva-Voce 5

Practical Note Book 5
