MCA 4th Semester Examination, 2016

COMPILER CONSTRUCTION LAB

(Practical)

PAPER—MCA - 408

Full Marks : 50

Time : 3 hours

Answer any **two** on lottery basis

The questions are of equal value

1. Write a program in LEX/YACC to count the number of characters, words and lines in a given string.

2. Write a program in LEX/YACC which replaces all the occurrences of 'VU' with 'Vidyasagar University' of a given string.

3. Write a program in LEX/YACC to insert line numbers to each line of a given file.

4. Write a program in LEX/YACC to count the number of vowels and consonants in a given string.

5. Write a program in LEX/YACC to count the number of positive and negative integers from a given set of numbers.

6. Write a program in LEX/YACC to recognize an English statement as simple or compound.

7. Write a program in LEX/YACC to count the numbers of keywords in a given C program.

8. Write a program in LEX/YACC to recognize strings like $'a^n b^n'$.

9. Write a program in LEX/YACC to check valid arithmetic statements from a given statement.

10. Write a program in LEX/YACC to check a valid variable from a given set of strings.

11. Write a program in LEX/YACC to construct a desk calculator.

12. Write a program in LEX/YACC to delete comment and blank lines from a given file.

13. Write a program in LEX/YACC to recognize strings that starts with 'ab' or ends with 'ab'.

14. Write a program in LEX/YACC which takes an English statement as input and gives the output as the parts of speech.

PNB   : 5 marks
Viva voce : 10 Marks