

(DE 106)

**B. Tech. DEGREE EXAMINATION, MAY - 2015**

**(Examination at the end of First Year)**

**Paper - VI : Computer Programming**

**Time : 3 Hours**

**Maximum Marks : 75**

Answer question No. 1 compulsory

(15)

Answer ONE question from each unit

(4 x 15 = 60)

1) Write short notes on :

- a) Type – conversion rules.
- b) If – else statement and else – if statement with syntax and examples.
- c) Different loops with examples.
- d) Command – line arguments.
- e) Structures and unions.

**Unit - I**

2) Explain in detail about different types of operators with examples.

OR

3) Write a 'C' program to evaluate the arithmetic and Boolean expressions and explain.

**Unit - II**

- 4) a) What is Break and continue.
- b) Explain recursion with example.

OR

5) Write a 'C' program to find whether a given number is prime (or) not and find prime factors.

### **Unit - III**

6) Explain in detail about multi dimensional arrays with examples.

OR

7) Write a 'C' program on :

- a) Bubble sort.
- b) Binary Search.

### **Unit - IV**

8) Explain in detail about sequential file processing.

OR

9) Write a 'C' program to perform operations on rational numbers (p/q form).

