

Seat No. \_\_\_\_\_

**B.Sc. (I.T.) Semester V Examination**  
**March/April - 2015**  
**Paper No. 506 Practical**

**Time: 3 Hours**

**Total Marks: 100**

**Subject: Practical based on 502 and 503**

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1. Write a C++ program to draw Triangle using DDA line drawing algorithm and move it around the screen using arrow keys pressed by the user. [30]
2. Write a C++ program to draw circle using any circle drawing algorithm and fill circle using fill method. [20]
3. Write a python program which acts as a calculator like Addition, Multiplication, subtraction and division of two numbers inserted by users. [20]
4. Write a python program to perform following operation on string. [20]
  - Input any string.
  - Find lenth of string using len().
  - Check string that contain any digit or not using Isdigit().
  - Check string that contain any lower case and uppercase using inbuilt function.
  - Check string that contain whitespace using Isspace().
  - Concate two string using Join().
  - Perform Swapcase() function on inserted string.
  - Input your name and display it modified by Capitalize().
5. Create a Tuple in Python named subject. Display all subject name. [10]