

Total No. of Questions : 4]

SEAT No. :

PD119

[Total No. of Pages : 2

[6410]-441

**T.E. (Electronics / E & TC) (Insem)**  
**ADVANCED JAVA PROGRAMMING**  
**(2019 Pattern) (Semester - II) (Elective - II) (304195C)**

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Solve question Q1 or Q2, Q3 or Q4.
- 2) Figures to the right indicate full marks.
- 3) Assume suitable data, if necessary.

**Q1) a)** Describe following attributes of applet: [5]

- i) CODE
- ii) CODEBASE
- iii) ALIGN

b) Write a Java program that enables users to choose any one city name PUNE, MUMBAI, DELHI using ComboBox. [5]

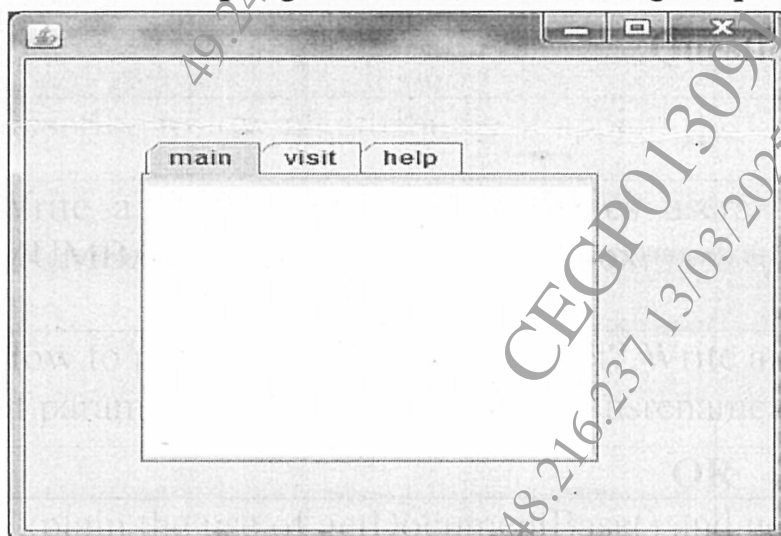
c) How to pass parameter to an applet? Write an applet to accept user name in the form of parameter and print 'Welcome <usrename>'. [5]

OR

**Q2) a)** Explain the use of getDocumentBase() and getCodeBase() in Applets. [5]

b) What is an applet? Write a program to create an applet to display a message "Advanced Java Programming". [5]

c) Write a Java program for the following output using JTabbedPane. [5]



P.T.O.

- Q3)** a) Describe the step to use the delegation event model with example. [5]  
b) Explain any two user interface components. [4]  
c) Compose a Java Program to draw rectangle using AWT graphics object.[6]

OR

- Q4)** a) Explain AWT class hierarchy. [5]  
b) What is Inner classes? Explain its types. [4]  
c) What is layout manager? List various layout used in Java. Explain Card layout in detail. [6]

