

Total No. of Questions : 4]

SEAT No. :

PF-443

[Total No. of Pages : 2

Apr-26/TE/Insem-402

T.E. (Electronics/E&TC) (Insem.)

ADVANCED JAVA PROGRAMMING

(2019 Pattern) (Semester - VI) (Elective - II) (304195 C)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) Solve question Q1 or Q2, Q3 or Q4.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right side indicate full marks.
- 4) Assume suitable data if necessary.

Q1) a) Write a Java program for the following output using JTabbedPane. [5]



- b) What is an applet? Write a program to create an applet to display a message "Advanced Java Programming". [5]
- c) Explain the use of getDocumentBase() and getCodeBase() in Applets. [5]

OR

- Q2) a) How to pass parameter to an applet? Write an applet to accept user name in the form of parameter and print 'Welcome <username>'. [5]
- b) Write a Java program that enables users to choose any one city name PUNE, MUMBAI, DELHI using ComboBox. [5]
 - c) Describe following attributes of applet : [5]
 - i) CODE
 - ii) CODEBASE
 - iii) ALIGN

P.T.O.

Q3) a) What is layout manager? List various layout used in Java. Explain Card layout in detail. [6]

b) What is Inner classes? Explain its types. [4]

c) Explain AWT class hierarchy. [5]

OR

Q4) a) Compose a Java Program to draw rectangle using AWT graphics object. [6]

b) Explain any two user interface components. [4]

c) Describe the step to use the delegation event model with example. [5]
