

Total No. of Questions : 8]

SEAT No. :

PB3827

[6262]-89

[Total No. of Pages : 2

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

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Solve question Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.
- 2) Figures to the right side indicate full marks.
- 3) Assume suitable data if necessary.

- Q1)** a) What are AWT component? Explain some AWT component. [9]
b) Write a program which stores the list of strings in an ArrayList and then displays the contents of the list. [9]

OR

- Q2)** a) Explain about Sets, Sequence, and Map. [9]
b) Develop a GUI which accepts the information regarding the marks of all subjects of a student in the examination. [9]

- Q3)** a) Explain the execution of SQL commands while handling the database.[8]
b) What is a JDBC? Explain Types of JDBC Driver. [9]

OR

- Q4)** a) What is Prepared Statement? Write a Java Program to insert Student Name and Branch Name into Student table using Prepared Statement.[8]
b) Write a program to insert and retrieve the data from the database using JDBC. [9]

- Q5)** a) Explain the various method of registering and gaining access to the remote object? [9]
b) What is RMI? Explain with neat diagram the RMI Architecture. [9]

OR

P.T.O.

- Q6)** a) Write a short note on: [9]
- i) RMI Registry
 - ii) Naming and Directory Services
- b) Develop an RMI application which accepts a string or a number and checks that string or number is palindrome or not. [9]

- Q7)** a) Write a short note on: [8]
- i) Java.net package
 - ii) Cookies
- b) Write a program to create a simple calculator application using servlet. [9]

OR

- Q8)** a) What is servlet? Explain with neat diagram Life cycle of a Servlet. [8]
- b) Explain InetAddress Class and factory method. Write a Java program to find the IP address of your machine. [9]

