

Total No. of Questions : 8]

SEAT No. :

PD4290

[Total No. of Pages : 2

[6403]-87

T.E. (E&TC/Electronics)

ADVANCED JAVA PROGRAMMING

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

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Solve question Q1 or Q2, Q3 or Q4, Q5 or Q6 and Q7 or Q8.
- 2) Figures to the right indicate full Marks.
- 3) Assume suitable data, if necessary.

Q1) 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]

OR

Q2) 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]

Q3) 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]

OR

Q4) a) Explain the execution of SQL commands while handling the database. [8]

b) What is a JDBC? Explain types of JDBC Driver. [9]

P.T.O.

- Q5) 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]**

OR

- Q6) a)** Explain the various methods of registering and gaining access to the remote object? **[9]**

- b) What is RMI? Explain with neat diagram the RMI Architecture. **[9]**

- Q7) 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]**

OR

- Q8) 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]**

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