PB3827

[6262]-89

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 ArryList 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 retrive 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]**

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