

Total No. of Questions : 8]

SEAT No. :

P7587

[Total No. of Pages : 3

[6180]-102

T.E. (E & TC/Electronics)

ADVANCED JAVA PROGRAMMING

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

Time : 2½ Hours]

[Max. Marks : 70

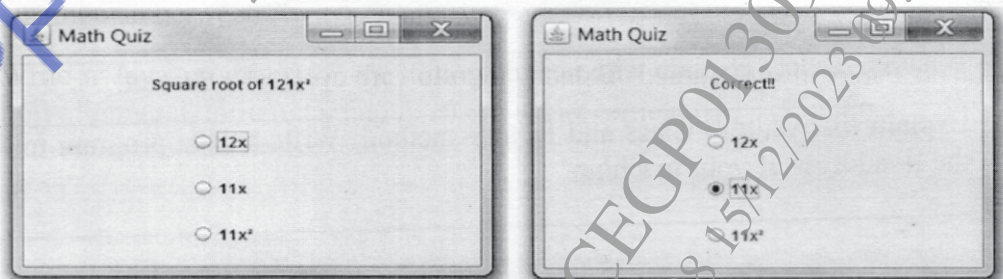
Instructions to the candidates:

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

- Q1)** a) Distinguish between ArrayList and Vector. **[4]**
- b) Write a Java program for the following output using flow layout. Consider Left alignment horizontal gap is 20 units and vertical gap is 25 units. **[7]**



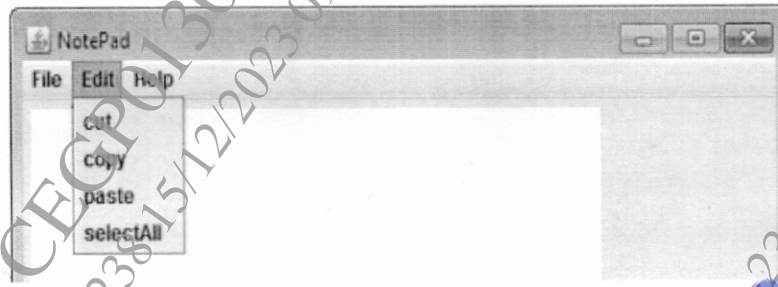
- c) Write a Java program for the following output using Radio Buttons. **[7]**



OR

P.T.O.

- Q2) a)** Write a short note on Set interface. [4]
- b) Write a program which stores the list of strings in an ArrayList and then displays the contents of the list. [5]
- c) Write a Java program for the following output using the concept of adding Menu to Window. [9]



- Q3) a)** Explain the execution of SQL commands while handling the database. [8]
- b) Write a Java Program to Retrieve the Contents of a Table using JDBC connection. [9]

Table name : Employee
Columns : emp_id, emp_name

OR

- Q4) a)** What is Prepared Statement? Write a Java Program to insert Roll Number and Student Name into Student table using Prepared Statement. [8]
- b) What is a JDBC? Explain Types of JDBC Driver. [9]

- Q5) a)** Write a short note on: [9]
- i) RMI registry
- ii) Naming and Directory services
- b) Write a simple RMI application in which the client invokes the method of the server. [9]

OR

Q6) a) Write a java program to perform addition of two numbers with Client/Server Application using RMI. [9]

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

Q7) a) Write a short note on: [8]

i) Datagram

ii) Java HttpURLConnection Class

b) What is socket? Explain steps used in socket programming. [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]

