P5779

[6120]-101

First Year M.C.A. (Management)
IT-11 : JAVA PROGRAMMING
(Rev. 2020) (Semester - I)

Time : 2½ Hours]   *[Max. Marks : 50*

Instructions to the candidates:
  1) *All questions are compulsory.*
  2) *Figures to the right indicate full marks.*

Q1) a)   What do you mean by anonymous class? Explain with suitable example.
                                                                                          [7]

     b)   Explain the use of "this Keyword".   **[3]**

                                        OR

     c)   What is polymorphism? Explain the compiletime & runtime
           polymorphism.   **[7]**

     d)   What is a naming conventions for packages?   **[3]**

Q2) a)   Explain un-checked exceptions with the suitable example.   **[5]**

     b)   Define array, explain two-dimensional array with suitable example.   **[5]**

                                        OR

     c)   Explain thread priorites with proper example.   **[5]**

     d)   What is mean of thread-deadlock? Illaborate it with suitable example. **[5]**

Q3) a)   Define array list. Write a program to accept search element from the user
           to find it from given array list.   **[6]**

     b)   What is the mean of hashing? Explain with suitable example for insert
           operation in Hash map.   **[4]**

                                        OR

     c)   Write a note on treeset & tree Map.   **[6]**

     d)   Write a short on list interface.   **[4]**

                                                                              P.T.O.

Q4) a) Design following GUI. using AWT components. **[10]**

Student Name	[_____]
City	[_____ ▽]
Gender	⊙ Male ○ Female
Languages	☐ Data structure ☐ Java
	[Submit]

OR

b) Demonstrate key listener interface with suitable example. **[10]**

Q5) a) Create JDBC application for product table with fields Id, name & price perform insert operation & display inserted data retrieved from table to the user. **[10]**

OR

b) Create a web page by using servlet to find factorical of a given number. **[10]**

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