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Roll No. ....

TCS–605

B. TECH. (CSE) (SIXTH SEMESTER)
MID SEMESTER EXAMINATION, 2021
ADVANCE JAVA PROGRAMMING

Time : 1½ Hours

Maximum Marks : 50

Note : (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each question carries 10 marks.

1. (a) Design a program in Java for making two-way chat communication in Java.

10 Marks (CO1)

OR

(b) Write short notes on the following :

10 Marks (CO1)

(i) InetAddress

(ii) Java.net

(iii) DatagramSocket

(iv) DatagramPacket

(v) Accept( )

P. T. O.

2. (a) Define JSP and its merits. Illustrate its lifecycle.

10 Marks (CO2)

(b) Discuss Struts. Illustrate the importance of MVC architecture in Java.

10 Marks (CO2)

OR

3. (a) Define Java Beans and its requirement in Java Programming. Illustrate its types.

10 Marks (CO2)

OR

(b) Write short notes on the following classes :

10 Marks (CO1)

(i) ServerSocket

(ii) Socket

(iii) send()

(iv) receive()

(v) close()

4. (a) Write a java application which perform the following :

10 Marks (CO2)

(i) Design the front end screen with the following felids (Make use any one of the Console/Frame/Applet/JSP) :

(I) Roll

(II) Name

(III) Address

(IV) Course

(ii) Design a database (As per the above front-end).

(iii) Write a program to save the content of the above mentioned in a database.

OR

(b) Discuss all the drivers used for the implementation of JDBC. 10 Marks (CO2)

(i) DriverManager

(ii) CallableStatement

(iii) ResultSet

(iv) Servlet

(v) ApacheTomcat

5. (a) Write short notes on the following :

10 Marks (CO2)

OR

(b) Define Socket. Differentiate UDP and TCP Socket. WAP to implement the concept of UDP Socket. 10 Marks (CO1)