Roll No. ....

OLE-24469

B. Tech. 7th Semester (IT) Examination – April, 2021

ADVANCED JAVA

Paper : CSE-409-F

Time : Three Hours]   *[Maximum Marks : 100*

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting at least *one* question from each Unit. Question No. **1** is *compulsory*. All questions carry equal marks.

1. (a) What is applets ?

   (b) What is inheritance ?

   (c) What is Java IDL ?

(d) What is Row Sets ?

(e) What is Component organizer ?

(f) What is rendering Hints ?

(g) What is property editors ?

(h) What is Drag and Drop ?

UNIT – I

2. What is Exception ? List some of the most common type of exception that might occur in Java. Explain how to deal with exception ?

3. (a) What do you mean by socket programming ? Explain with example.

(b) What is multithreading ? Explain life cycle of a thread with java code example.

UNIT – II

4. How parameters are passed in remote Methods ? Explain various Remote Methods Call with SOAP.

5. (a) What is JDBC ? Write the basic steps required to connect data from a database using JDBC.

    (b) Explain the role of Client and server in distributed programming.

UNIT – III

6. What do you mean by swing ? How to implement Table and Text Component using java swing ? Explain with example.

7. Explain the following with reference to AWT :

    (i) Strokes

    (ii) Drag and Drop

    (iii) Area

    (iv) Image manipulation

UNIT – IV

8. (a) What do you mean by beans ? What are the naming patterns for beans and events ?

(b) How to build an application using Beans ? Explain with example.

9. Explain the following :

(a) Encryption

(b) Class Loader

(c) Byte Code Verification

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