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III/IV B.Tech (Regular / Supplementary) DEGREE EXAMINATION

January, 2022

Computer Science and Engineering

Fifth Semester

Enterprise Programming

Time: Three Hours

Maximum: 50 Marks

Answer Question No.1 compulsorily.   (10X1 = 10 Marks)
Answer ONE question from each unit.   (4X10=40 Marks)

1. a) List out the variations of Java EE Applications.   CO1
    b) Explain Request Dispatcher.   CO1
    c) Write the syntax of connection object in JDBC API's.   CO1
    d) What is Data Validation in f: core Tags?   CO2
    e) List out any four Java EE Managed Bean scopes.   CO2
    f) What is Content Production?   CO3
    g) What is the full form of URI?   CO3
    h) List out various flavors of Enterprise Beans.   CO4
    i) What is Interceptors?   CO4
    j) What is the role of entity manager?   CO4

Unit -I

2. a) Explain J2EE architecture.   CO1   5M
    b) Explain JDBC with an example program.   CO1   5M

(OR)

3. a) Explain HTTP protocol.   CO1   5M
    b) Write the Application in Java Servlet.   CO1   5M

Unit –II

4. a) Explain JSF core Tags.   CO2   5M
    b) Explain about JSF Managed Beans.   CO2   5M

(OR)

5. a) Explain JSP Standard Tags.   CO2   5M
    b) Explain about JSP custom tags with an example program. CO2   5M

Unit –III

6. a) Explain about Java Web sockets life cycle.   CO3   5M
    b) Explain Exception Mapping in JAX-RS.   CO3   5M

(OR)

7. a) Explain Content Consumption in JAX-RS.   CO3   5M
    b) Explain Production JSON using the streams API.   CO3   5M

Unit -IV

8. a) Explain various flavors of Enterprise Beans.   CO4   5M
    b) Explain EJB Lifecycle with neat diagram.   CO4   5M

(OR)

9. a) Write the code for Audit Interceptor.   CO4   5M
    b) Explain about Persistence Entities in Java Persistence API. CO4   5M