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

January, 2021

Sixth Semester

Time: Three Hours

Computer Science and Engineering

Enterprise Programming-II

Maximum: 60 Marks

Answer *ALL* Questions from **Part - A**.

(1X12 = 12 Marks)

Answer *ANY FOUR* Questions from **Part – B**.

(4X12=48 Marks)

**Part - A**

1. Answer all questions
  - a) Define Webserver.
  - b) Draw the architecture of Java EE.
  - c) What are the problems with servlets?
  - d) Write about JSF.
  - e) List JSTL core tags.
  - f) What are the implicit objects of JSP?
  - g) What is web socket?
  - h) What Are RESTful Web Services?
  - i) What are the uses of Interceptors?
  - j) State the purpose of an EJBs.
  - k) What is Welcome file?
  - l) What is an Enterprise Application?

(1X12=12 Marks)

**Part – B**

2.
  - a) Write a JDBC program to create, insert and display the records of a table. 6M
  - b) Write about the HttpServlet Request & HttpServletResponse classes and associated methods in it. 6M
3.
  - a) Write a java EE application for Displaying “Hello, world!” Java EE. 6M
  - b) What is JDBC driver? Explain each with a simple architecture. 6M
4.
  - a) Explain the architecture of a JSF with an example? 6M
  - b) Write short notes on JSP Custom-tag libraries for JavaBeans. 6M
5.
  - a) Demonstrate the different JSTL Core Tags and their functions. 6M
  - b) Explain at least 4 JSP action tags with their uses. 6M
6.
  - a) Create a Web Application to demonstrate Web Sockets. 6M
  - b) How to implement Decoders to Convert WebSocket Messages into Java Objects? 6M
7.
  - a) Explain the procedure to deploy JAX-RS Resources. 6M
  - b) Demonstrate Java Web Socket API. 6M
8.
  - a) Explain EJB Life Cycle in detail. 6M
  - b) What is Asynchronous Enterprise Bean and discuss it with an example. 6M
9.
  - a) Explain the life cycle of entity bean. 6M
  - b) What is the Java Persistence API? what are the advantages of JPA? 6M

