Hall Ticket Number:

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

November, 2019	**Information Technology**
Seventh Semester	**Enterprise programming-II**
Time: Three Hours	**Maximum :** 60 Marks

Answer Question No.1 compulsorily. (1X12 = 12 Marks)
Answer ONE question from each unit. (4X12=48 Marks)

1   Answer all questions (1X12=12 Marks)
   a)   How many variations are there in Java EE Applications,
   b)   Differentiate doGet () and doPost () methods.
   c)   What are dynamic web pages?
   d)   List out Servlet API Packages?
   e)   What is web socket encoder?
   f)   How many tags are provided in JSTL?
   g)   Differentiate Stateless and Stateful session beans.
   h)   List out any three annotations used in Stateful session beans
   i)   What is the Java Bean and Bean Development Kit (BDK)?
   j)   What are different components of WSDL?
   k)   Can we maintain user session in web services?
   l)   Define SOAP and list out any two advantages.

UNIT I

2   a)   Describe in detail about Architecture and goals of Java EE with neat diagram.   6M
   b)   Write short notes on Http Session Class with example program.   6M

(OR)

3   a)   What is difference between Servlet Config and Servlet Context?   6M
   b)   Write servlet program for retrieving the http parameter values and display it in next screen?   6M

UNIT II

4   a)   Describe JSP life cycle with neat diagram   6M
   b)   Explain the methodologies that can be implemented to create dynamic web pages. Discuss architecture of any one?   6M

(OR)

5   a)   Write a short note on Java Server Faces Tags?   6M
   b)   Create a Web Application to demonstrate Web Sockets.   6M

UNIT III

6   a)   Diagrammatically illustrate and discuss the Enterprise Java Bean (EJB) architecture?   6M
   b)   Explain about Message driven beans with simple example   6M

(OR)

7   a)   Draw the life cycle of entity bean and Explain it?   6M
   b)   Explain about Java Persistence Query Language?   6M

UNIT IV

8   a)   How is XML used in SOAP?   6M
   b)   Write an application to create SOAP Web service.   6M

(OR)

9   a)   What are the types of information included in SOAP header and explain it   6M
   b)   Write WSDL file for credit card validation service?   6M