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

November, 2019

Seventh Semester

Time: Three Hours

Information Technology

Enterprise programming-II

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

