Seat No. _____

H-003-2035001

B. C. A. (Sem.-V) (W.E.F. 2019)

Examination

May - 2023

CS-25 : J2EE

Faculty Code : 003

Subject Code : 2035001

Time : $2\frac{1}{2}$ Hours / Total Marks : **70**

1 (a) Give answer in one or two word: **4**
     (1) Define Web Server.
     (2) What is Session?
     (3) JMS fullform.
     (4) JDBC stands for _____.
   (b) Attempt following : (Any **1**) **2**
     (1) Explain Tomcat.
     (2) Brief about J2EE advantages.
   (c) Answer following: (Any **1**) **3**
     (1) Explain JDBC type-I Driver.
     (2) Explain Connection string.
   (d) Answer in detail: (Any **1**) **5**
     (1) Explain JDBC Drivers in detail.
     (2) Explain Enterprise Architecture Styles.

2 (a) Give answer in one or two word: **4**
     (1) Full form of JNDI.
     (2) Define RMI.
     (3) Define Servlet.
     (4) _____ file is also known as Deployment Descriptor.
   (b) Answer following: (Any **1**) **2**
     (1) List out J2EE APIs.
     (2) request. getParameter( ) is used for what purpose?

(c) Answer following: (Any **1**)   3
    (1) Explain web.xml file.
    (2) Differentiate Request v/s response.

(d) Answer in detail: (Any **1**)   5
    (1) Explain RMI with Architecture.
    (2) Explain Servlet with its life cycle.

3 (a) Give answer in one or two word :   4
    (1) <%! tag is used for _____.
    (2) Example of Scriplet tag.
    (3) Define JSP include action tag.
    (4) jsp:param is used for what?

(b) Answer following: (Any **1**)   2
    (1) List JSP action tags.
    (2) Explain Java Bean properties.

(c) Answer the following: (Any **1**)   3
    (1) Explain JSP directive elements.
    (2) Differentiate JSP vs. Servlet.

(d) Answer in detail: (Any **1**)   5
    (1) Explain Lifecycle of JSP in detail.
    (2) List Scripting elements. Explain with example.

4 (a) Give answer in one or two word: 4
    (1) HQL stands for _____.
    (2) Full form EJB.
    (3) List types of EJB.
    (4) MVC stands for _____.

(b) Answer the following: (Any **1**)   2
    (1) Explain benefits of EJB.
    (2) Explain Hibernate advantages.

(c) Answer the following: (Any **1**)   3
    (1) Explain Session beans.
    (2) Explain Hibernate with its features.

(d) answer in detail: (Any **1**)   5
    (1) Explain MVC Architecture in detail.
    (2) Explain EJB in detail.

5 (a) Give answer in one or two word: **4**
  (1) Define Struts.
  (2) ORM stands for _____ .
  (3) Fullform of AOP.
  (4) Fullform of POJO.

 (b) Answer the following: (Any **1**) **2**
  (1) Explain IoC in Spring.
  (2) Explain how request in processed in Struts.

 (c) Answer the following: (Any **1**) **3**
  (1) Explain Containers.
  (2) Explain AOP in Spring.

 (d) Answer in details: (Any **1**) **5**
  (1) Explain Spring Architecture.
  (2) Explain Struts with flow of Control.

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