HAJ-003-003507

B. C. A. (Sem.-V) (CBCS) (WEF-2016) Examination
May - 2023
CS-25 : Advance Java Programming (J2EE)

Faculty Code : 003

Subject Code : 003507

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

1 (a) Answer the following : **4**
 (1) J2EE is developed by _____.
 (2) With 2 tier architecture, if only presentation manager resides with client tier then the client is called as ?
 (3) Give the full form of API.
 (4) JMS stands for _____.

 (b) Answer in brief : (any one) **2**
 (1) Explain Tomcat.
 (2) Explain JavaMail.

 (c) Answer in detail : (any one) **3**
 (1) Explain DatabaseMeta Data.
 (2) Explain Container.

 (d) Write note on following questions : (any one) **5**
 (1) Explain enterprise architecture.
 (2) Exlain types of JDBC drivers.

2 (a) Answer the following : **4**
 (1) Give the full form of RMIC.
 (2) Stub is also known as _____.
 (3) _____ layer handle replicated object.
 (4) _____ file is known as development descriptor.

(b) Answer in brief : (any one)   2
    (1) Explain servlet API.
    (2) Explain URl rewriting.

(c) Answer in detail : (any one)   3
    (1) Explain request dispastcher.
    (2) Explain Session with example.

(d) Write note on following questions : (any one)   5
    (1) Explain Stub and Skeleton.
    (2) Explain Servlet Life Cycle.

3 (a) Answer the following :   4
    (1) _____ directive declares that the JSP file uses custom tags.
    (2) Give the full form of JSP.
    (3) An expression tag starts with ___ and ends with _____.
    (4) Implicit object request has _____ scope.

(b) Answer in brief : (any one)   2
    (1) Give the list of JSP implicit objects.
    (2) Explain JSP objects scope.

(c) Answer in detail : (any one)   3
    (1) Explain JSP exception handling concept.
    (2) Explain JSP directive elements.

(d) Write note on following questions : (any one)   5
    (1) Write a note on Java Beans properties and methods.
    (2) Explain JSP life cycle.

4 (a) Answer the following :   4
    (1) Give the full form of HQL.
    (2) Give the full form of MVC.
    (3) Give the full form of DI.
    (4) _____ beans are used in context of JMS.

(b) Answer in brief : (any one)   2
    (1) Explain benefits of EJB.
    (2) Explain Timer Service.

    (c)   Answer in detail : (any one)   **3**
          (1)   Explain Hibernate mapping.
          (2)   Explain Hibernate Annotation.

    (d)   Write note on following questions : (any one)   **5**
          (1)   Explain MVC Architecture.
          (2)   Explain Hibernate Architecture.

5   (a)   Answer the following :   **4**
          (1)   Give the full form of AOP.
          (2)   Give the full form of POJO.
          (3)   Spring is a lightweight framework - true or false.
          (4)   Give the full form of IOC.

    (b)   Answer in brief : (any one)   **2**
          (1)   What is AOP ?
          (2)   What is struts ?

    (c)   Answer in detail : (any one)   **3**
          (1)   List out the Execution flow of Struts.
          (2)   Explain Spring context.

    (d)   Write note on following questions : (any one)   **5**
          (1)   Explain Spring Architecture.
          (2)   Explain struts Flow of control.

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