B. C. A. (Sem. V) (CBCS) Examination

October / November - 2018

CS - 25 : Advance Java Programming (J2EE)

(New Course)

Faculty Code : 003

Subject Code : 0003507

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

1 (a) Answer the following : 4

   (1) Give the full form of EIS.

   (2) What is tomcat?

   (3) What is thin client and thick client?

   (4) What is container ?

   (b) Answer in brief : (any **one**) 2

   (1) Explain Resultset.

   (2) Explain Callable and Prepared Statements.

   (c) Answer in detail : (any **one**) 3

   (1) Explain Resultset Meta Data and Database Meta Data.

   (2) Explain types of JDBC Database Drivers.

   (d) Write a note on following Questions : (any **one**) 5

   (1) Explain N-Tier architecture.

   (2) Explain JDBC Architecture.

2 (a) Answer the following : 4

   (1) Give the full form of RMI.

   (2) Explain Servlet Context Interface.

   (3) Explain URL Rewriting.

   (4) Explain deployment descriptor.

     (b) Answer in brief : (any **one**)   **2**

         (1) Explain Request Dispatcher Interface.

         (2) Explain Servlet Collaboration.

     (c) Answer in detail : (any **one**)   **3**

         (1) Explain Single Thread Model

         (2) Explain Cookies and Session.

     (d) Write a note on following Questions : (any **one**)   **5**

         (1) Explain Stub and Skeleton.

         (2) Explain Servlet Life Cycle.

3   (a) Answer the following :   **4**

         (1) <% = is used for _____

         (2) Explain Scrptlet.

         (3) What is the use of <jsp:include>.

         (4) Give the tag syntax of page directive element.

     (b) Answer in brief : (any **one**)   **2**

         (1) Explain JSP implicit objects.

         (2) Explain scope of JSP Variables.

     (c) Answer in detail : (any **one**)   **3**

         (1) How can JSP handle the exceptions?

         (2) Explain JSP Action elements.

     (d) Write a note on following Questions : (any **one**)   **5**

         (1) What is Java Beans? explain its properties.

         (2) Explain JSP life cycle.

4   (a) Answer the following :   **4**

         (1) Give the full form of HCQL.

         (2) Explain Timer service.

         (3) List out the types of EJB.

         (4) Give the full form of JPA.

(b) Arswer in brief : (any **one**)　　　　　　　　**2**

    (1) Explain benefits of EJB.

    (2) Explain Hibernate Mapping.

(c) Answer in detail (any **one**)　　　　　　　　**3**

    (1) Give the advantage and disadvantage of hibernate.

    (2) Explain hibernate inheritance.

(d) Write a note on following Questions: (any **one**)　　　**5**

    (1) Explain MVC Architecture.

    (2) Explain Hibernate Architecture.

5 (a) Answer the following :　　　　　　　　　　**4**

    (1) Struts 2 framework is used for _____

    (2) Give the full form of POJO.

    (3) Spring is a lightweight framework- true or false ?

    (4) Give the fullform of IOC.

(b) Answer in brief : (any **one**)　　　　　　　　**2**

    (1) What is AOP?

    (2) Explain Spring IoC Containers.

(c) Answer in detail : (any **one**)　　　　　　　**3**

    (1) List out the Execution flow of Struts.

    (2) Explain. Strut2 Request life cycle.

(d) Write a note on following Questions : (any **one**)　　**5**

    (1) Explain Spring Architecture.

    (2) Explain Struts Flow Diagram.

―――――――