BCF-003-0003507   Seat No. _____

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

August – 2021

CS - 25 : Advance Java Programming (J2EE)

Faculty Code : 003

Subject Code : 0003507

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

1   (A)   Objective type questions :   **4**

(1)   Which packages contain the JDBC classes?

(2)   JDBC Type-1 driver is also known as _____ driver.

(3)   Which method is used to call stored procedure from the database?

(4)   Which method is used to load the driver?

(B)   Attempt any **one** :   **2**

Explain Stub and Skeleton.

(C)   Attempt any **one** :   **3**

Explain N tier Architecture.

(D)   Attempt any **one** :   **5**

Describe Connection Class with example.

2   (A)   Objective type questions :   **4**

(1)   Which type of driver converts all JDBC calls into ODBC calls?

(2)   What is use of lookup() method?

(3)   _____ method is used to identify Remote Object.

(4)   Write the signature of forName() method.

(B)   Attempt any **one** :   **2**

Explain navigation methods of ResultSet interface.

(C) Attempt any **one** :   **3**

Give difference between JDBC and ODBC.

(D) Attempt any **one** :   **5**

Describe Architecture of RMI.

3   (A) Objective type questions :   **4**

(1) What is interface?

(2) Full form of HTTP is _____

(3) Full form of MIME is _____

(4) A piece of data is assigned by server and stored at client is known as _____

(B) Attempt any **one** :   **2**

Explain Servlet Exception.

(C) Attempt any **one** :   **3**

Describe any three method of ServletResponce interface.

(D) Attempt any **one** :   **5**

Write program and create servlet file for user login.

4   (A) Objective type questions :   **4**

(1) What is a servlet?

(2) What is cookies?

(3) Write methods of ServletContext interface?

(4) What is URL Encoding?

(B) Attempt any **one** :   **2**

Explain Servlet Interface.

(C) Attempt any **one** :   **3**

Explain Session Tracking API.

(D) Attempt any **one** :   **5**

Explain Error handling using page directive with an example.

5   (A) Objective type questions :   **4**

(1) What is RequestDispatcher ?

(2) How to set Session Timeouts?

(3) Which Methods is use to get Last Accessed Times?

(4) List methods of Interface ServletRequestListener.

(B) Attempt any **one** :   2

What is URL Rewriting?

(C) Attempt any **one** :   3

What is SSL Sessions?

(D) Attempt any **one** :   5

Difference between Filter and Listener in Servlet.

6 (A) Objective type questions :   4

(1) What is URL Rewriting?

(2) Which method is user for remove Session attributes.

(3) What is Session Timeouts?

(4) What is Session?

(B) Attempt any **one** :   2

List methods of Interface ServletRequestListener.

(C) Attempt any **one** :   3

Explain hibernate annotation with an example.

(D) Attempt any **one** :   5

Explain with example Filters for pre and post processing
of request

7 (A) Objective type questions :   4

(1) List types of Cache supported by hibernate.

(2) Full form of EJB?

(3) Use of Session Beans.

(4) Which scope is the most restrictive scope in JSP?

(B) Attempt any **one** :   2

Explain <jsp : param>.

(C) Attempt any **one** :   3

Explain hibernate annotation with an example.

(D) Attempt any **one** :   5

Explain Hibernate Architecture.

8 (A) Objective type questions :   4

(1) HQL stands for _____

(2) List types of Cache supported by hibernate.

(3) Use of Entity Beans.

(4) What is Timer service in hibernate?

(B) Attempt any **one** :   2

To add Java code in JSP page which tag is used with example?

(C) Attempt any **one** :   3

Give an example of hibernate with XML.

(D) Attempt any **one** :   5

Advantages of Hibernate over JDBC.

9 (A) Objective type questions :   4

(1) _____ is a Framework of frameworks

(2) EL stands for _____

(3) Write use of Properties Files.

(4) IoC stands for _____

(B) Attempt any **one** :   2

Explain Implicit Objects in JSP - Expression Language.

(C) Attempt any **one** :   3

Struts Flow of Control.

(D) Attempt any **one** :   5

Explain IOC and Dependency Injection.

10 (A) Objective type questions :   4

(1) AOP stands for _____

(2) MVC stands for _____

(3) Write use Spring.

(4) Write use Struts Framework.

(B) Attempt any **one** :   2

Write use Spring Framework.

(C) Attempt any **one** :   3

Write use Handling Request Parameters with FormBeans.

(D) Attempt any **one** :   5

Explain Spring Architecture.

―――――――