JV-003-003501　　　　　Seat No. _____

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

October - 2019

CS - 25 : Advanced JAVA Programming (J2EE)

(Old Course)

Faculty Code : 003

Subject Code : 003501

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

1　Attempt the following :　　　　　　　　　　20

(1) What J2EE stands for ?

(2) ResultSet is a _____ of java.sql Package.

(3) Which method is called to handle a client request in a Servlet ?

(4) Which javax.servlet.http package class contains the Cookie Information ?

(5) Which method returns the client IP address from ServletRequest ?

(6) Which method returns the MIME type for currently set for response ?

(7) HttpServlet override which two methods ?

(8) The Comment tag is written as _____ in JSP.

(9) Which method use for to get the string data from the Resultset ?

(10) Which of the property of Java Bean represents a single value ?

(11) _____ maps actions to Model.

(12) _____ mixes logic with presentation.

(13) MVC stands for _____.

(14) What is the format for EJB deployment descriptor files ?

(15) Which EJB type has no Remote interfaces ?

(16) What is ORM ?

(17) CRUD stands for _____.

(18) POJOs stand for _____.

(19) AOP stands for _____.

(20) Struts is hosted by _____.

2 (a) Answer any **three** : 6

    (1) Explain lookup( ) & rebind( ) method of RMI.

    (2) Explain ServletConfig interface.

    (3) What is URL rewriting ?

    (4) What is ResultSet ?

    (5) What do you mean by ServletContext ?

    (6) Explain executeQuery( ) method.

    (b) Answer any **three** : 9

    (1) Explain Enterprise Architecture of J2EE.

    (2) What is RMI ?

    (3) What is J2EE Application Server? Explain in Detail.

    (4) Explain Hibernate ORM.

    (5) Explain <jsp:forward> with example.

    (6) Explain Scripting Element.

    (c) Answer any **two** : 10

    (1) Explain Stub and Skeleton Class in Detail.

    (2) Explain ServletContext Interface.

    (3) What is JDBC? Explain JDBC architecture.

    (4) Explain session tracking using cookies with example.

    (5) Explain implicit objects and their scope in JSP.

3 (a) Answer any **three** : 6

(1) Explain DatabaseMetadata.

(2) Explain addCookies( ) of HttpServletResponse interface.

(3) What are uses of RequestDispatcher interface?

(4) Explain doGet( ) and doPost( ) method.

(5) Explain createStatement( ) method.

(6) Explain the benefits of EJB.

(b) Answer any **three** : 9

(1) Explain N-tier Architecture in Detail.

(2) Define the difference between the Statement interface and Prepared Statement interface.

(3) Explain HttpServlet Interface in detail.

(4) Explain Struts Actions.

(5) Explain session in Servlet with example.

(6) Explain types of EJB.

(c) Answer any **two** : 10

(1) Write a JDBC program to insert,update,delete records with proper constraints for the following table using JDBC-ODBC Connectivity.

Table name :- Student

Fieldname	Data Type
id	Number
name	Varchar2
birthdate	Date
phoneno	number

(2) Write a note on JSP Life cycle in detail.

(3) What is stored procedure? Explain the use of CallableStatement interface with example.

(4) Create a page counter using servlet.

(5) Explain Spring Framework in detail.

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