



**MAJ-003-003501**    Seat No. \_\_\_\_\_

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

**October / November - 2016**

**CS-25 : Advanced Java Programming**  
*(Old Course)*

**Faculty Code : 003**

**Subject Code : 003501**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : **70**

**1 Answer the following :**

**20**

- (1) EJB (Enterprise Java Bean) is used to develop \_\_\_\_\_ type of applications in java.
- (2) In EJB, middleware services are provided by EJB Container automatically?
- (3) The getSession( ) method with 'true' as its parameter [getSession(true)] it will return the appropriate session object when \_\_\_\_\_.
- (4) Full form of JDBC is \_\_\_\_\_.
- (5) Full form of JSP is \_\_\_\_\_.
- (6) Full form of JSTL is \_\_\_\_\_.
- (7) List out scope of JSP variable.
- (8) List out JSP Scripting Elements.
- (9) List out The Http Servlet class.
- (10) List out J2EE APIs.
- (11) Full form of RMI is \_\_\_\_\_.
- (12) What is Stubs and Skeleton?
- (13) What is Database Meta Data?
- (14) Use of JSP Expression Language.
- (15) Write a use of Fmt tags.
- (16) What is session tracking approach?
- (17) \_\_\_\_\_ is a Directive Elements.
- (18) What is container?
- (19) Explain Connection Statement.
- (20) Explain Result Set Meta Data.

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

- (1) Explain stubs and skeletons class.
- (2) Explain deployment descriptor. (web.xml).
- (3) Explain jspService.
- (4) Explain doGet( ) and doPost( ) method.
- (5) Explain createStatement( )
- (6) Explain edition of java.

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

- (1) Explain page directive.
- (2) Explain j2ee API.
- (3) Explain servletresponse interface.
- (4) Explain multi-tier architecture.
- (5) Explain session with example.
- (6) Explain database metadata.

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

- (1) Explain Three-Tier Architecture with example.
- (2) Explain JDBC API for database connectivity.
- (3) Explain The ServletException class with example.
- (4) Explain Cookies and Session API.
- (5) Explain The HttpSession interface with example.

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

- (1) Explain types of containers.
- (2) What is RMI?
- (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 Hidden from field.
- (2) Explain implicit object of jsp.
- (3) Explain HttpServlet Interface in detail.
- (4) Explain 3 tire Architecture in Detail.
- (5) Explain <jsp:forward> with example.
- (6) Explain Scripting Element.

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

- (1) Explain J2EE APIs with example.
- (2) What is RMI? Explain RMI Architecture.
- (3) Explain Database MetaData in JDBC.
- (4) Explain the term :  
getAttribute( ), getParameter( ), getRemoteHost( )
- (5) Explain Implicit Objects with example.

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