



DBB-003-004502

Seat No. _____

B.Sc. (IT) (Sem. - V) (CBCS) Examination

April / May - 2015

CS-26 : Advanced JAVA Programming

Faculty Code : 003

Subject Code : 004502

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

[Total Marks : 70

SECTION - I

1 Select the appropriate choice from given answers. **20**

(1) Which layer is not resides at client tier in Thick client of two tier architecture.

- (a) Business Logic
- (b) Application Logic
- (c) Presentation Manager
- (d) Presentation Logic

(2) Which is not a type of container?

- (a) Applet Container
- (b) Web Container
- (c) Database Container
- (d) Application Container

(3) EIS stands for _____.

- (a) Enterprise Information Service
- (b) Enterprise Information System
- (c) Entity Information System
- (d) None

- (4) An object on another computer is known as _____,
- (a) Client Object
 - (b) Sever Object
 - (c) Client-Server Object
 - (d) Remote Object
- (5) Naming class belongs into _____ package.
- (a) java.rmi
 - (b) java.rmi.server
 - (c) java.rmi.client
 - (d) None
- (6) Which is not a part of Servlet API?
- (a) javax.servlet.http
 - (b) javax.servlet
 - (c) java.servlet
 - (d) None
- (7) DSN stands for _____
- (a) Database Select Name
 - (b) Data Source Name
 - (c) Database Source Name
 - (d) Data Select Name
- (8) Which of the following methods are needed for loading a database driver in JDBC?
- (a) registerDriver()
 - (b) Class.forName()
 - (c) getConnection()
 - (d) Both (a) and (b)

- (9) Which method will call a single time while loading the servlet on J2EE server?
- (a) `init()` (b) `destroy()`
(c) `service()` (d) `config()`
- (10) Which interface provides the method to read data from client request?
- (a) `Servlet` (b) `ServletRequest`
(c) `ServletResponse` (d) `GenericServlet`
- (11) Which interface provides to include the content of another resource into current response?
- (a) `SingleThreadModel` (b) `GenericServlet`
(c) `Servlet` (d) `RequestDispatcher`
- (12) CGI stands for _____.
- (a) Command Gateway Interface
(b) Common Gateway Interface
(c) Class Graphics Interface
(d) None
- (13) Which is not true for `getCookies()`?
- (a) Method of `HttpServletRequest`
(b) Returns null if no cookies are there
(c) Returns an array of `Cookie` objects
(d) Method of `HttpServletResponse`

- (14) Which interface is used to get information related to connected table of the database?
- (a) DatabaseMetaData
 - (b) ResultSetMetaData
 - (c) ResultSet
 - (d) Connection
- (15) _____ is used to specify attributes for the whole JSP page.
- (a) Include directive (b) Page directive
 - (c) Forward directive (d) Taglib directive
- (16) Which of the tag is used to show the comments for JSP code in the JSP page?
- (a) `<%-- comment --%>` (b) `<-- comment -->`
 - (c) `<!-- comment -->` (d) All of above
- (17) Scope of the out object is _____
- (a) Application Scope
 - (b) Page Scope
 - (c) Session Scope
 - (d) None
- (18) Which one true for EL?
- (a) `${expr}` (b) `%{expr}`
 - (c) `&{expr}` (d) None

(19) Which of the following error message displayed when the page is not found at the correct location?

- (a) 550
- (b) 505
- (c) 404
- (d) 440

(20) Which is not true for <fmt:formatNumber>?

- (a) Formats Number
- (b) Formats Currency
- (c) Formats Percentage
- (d) Formats Date

SECTION - II

2 (A) Answer the following (Any three) **6**

- (1) Describe Container.
- (2) Describe types of Enterprise Beans.
- (3) Give Difference between JDBC and ODBC.
- (4) Describe SingleThreadModel interface.
- (5) Explain `encodedURL()` method.
- (6) Give the difference between Servlet and JSP.

(B) Answer the following (Any three) **9**

- (1) Describe J2EE API.
- (2) Describe Stub and Skeleton.
- (3) Describe `sendRedirect()` and `setAttribute()` method.

- (4) Explain Servlet Exception.
- (5) Explain Hidden form field.
- (6) Explain HttpSession interface.

(C) Answer the following (Any two) **10**

- (1) Describe RMI architecture.
- (2) Describe Enterprise Architecture of J2EE.
- (3) Describe Connection interface.
- (4) Describe types of JDBC driver.
- (5) Write aJDBC program to insert a record into the Student table which has fields Ex_No, Name, Birth_Date, City. (Note : Use JDBC — ODBC driver)

3 (A) Answer the following (Any three) **6**

- (1) Explain addCookie() and setContentType().
- (2) Explain <jsp:include> with example.
- (3) Explain URL rewriting.
- (4) Explain getlnit Parameter() and getlnit Parameter Names().
- (5) Explain EL implicit objects.
- (6) Explain scope of the variable in JSP.

(B) Answer the following (Any three) **9**

- (1) Explain life cycle of Servlet.
- (2) Explain difference between getParameter() and get ParameterValues().

- (3) Explain any three implicit Objects of JSP.
- (4) Explain JSP life cycle.
- (5) Explain use of cookie and session.
- (6) Explain HttpServlet class.

(C) Answer the following (Any two) **10**

- (1) Describe Basic steps for Database Connectivity with suitable example.
- (2) Explain Scripting Elements.
- (3) Write a Servlet program which creates a session and print all the information related to session in the tabular format.
- (4) Write a JSP program which creates error page and handle exception with the use of the error page.
- (5) Explain RequestDispatcher interface with example.
