

**Department of Information Technology**  
**Class: T.Y.B.Sc.(IT)**  
**Semester: V**  
**Subject: Enterprise Java**  
**Sample Questions**

**MULTIPLE CHOICE QUESTIONS**

- 1) \_\_\_\_\_ is not a feature of Enterprise Application.
  - a. Powerful
  - b. Secure
  - c. Not reliable
  - d. Complex
  
- 2) Enterprise architecture is divided into \_\_\_\_\_ tiers.
  - a. 2
  - b. 4
  - c. 6
  - d. 8
  
- 3) \_\_\_\_\_ is not a Web Application Technology.
  - a. Java Servlet
  - b. Java Server Pages
  - c. Java Server Faces
  - d. Enterprise Java Bean
  
- 4) \_\_\_\_\_ is not a Enterprise Application Technology.
  - a. Java Persistence API
  - b. Java Message Service API
  - c. Java Servlet
  - d. Enterprise Java Bean
  
- 5) \_\_\_\_\_ is a Web Services Technology.
  - a. JAX-RS
  - b. EJB
  - c. JSP
  - d. JSF
  
- 6) Java EE, the Java Enterprise Edition, is \_\_\_\_\_.
  - a. an improved version of the Java Standard Edition for business professionals.
  - b. a development environment, designed for creating enterprise applications.
  - c. a platform for enterprise class level, distributed application.
  - d. a replacement of the Java Virtual Machine for running internet applications.
  
- 7) Container services are configured via \_\_\_\_\_.
  - a. special configuration methods in Java Access Beans

- b. deployment descriptors and/or annotations
- c. resource property files
- d. application server administration configuration

8) Which of the following is NOT true?

- a. Java EE applications are based on 4 phases: development, assembly, deployment, administration.
- b. Java EE applications are autonomic self-managing, self-healing, self-protecting enterprise applications.
- c. Java EE applications are split up in multiple tiers: client tier, web tier, EJB tier and integration tier.
- d. Java EE applications are typically a combination of application clients, web components and business components.

9) Which element is not part of the Java EE specification?

- a. Java FX
- b. Java Mail
- c. JTA
- d. Unified Expression Language

10) Java EE profiles \_\_\_\_\_

- a. are used for static monitoring of applications.
- b. Control directly the execution of Enterprise Java Beans.
- c. are configurations of the Java EE platform, targeted at a specific class of applications
- d. provide additional security features for Java EE applications.

11) The best way to access a database from a standard Java EE application is \_\_\_\_\_

- a. based on a dynamic lookup of a datasource via JPA (Java Persistence Architecture).
- b. using a JDBC DriverManager to optimize the connection to the database.
- c. working with static SQL statements via SQLJ.
- d. developing a customised persistency framework, based on JDBC type 1 drivers.

12) Which quote illustrates best the support of web services in Java EE: -

- a. Java EE application servers contain a specific web services container to interact with other web services.
- b. Java EE provides the required APIs and tools in order to quickly and effectively design, develop, test and deploy web services.
- c. The web services support is part of the Java SE, and as such is available in Java EE too.
- d. The Java EE server provides special deployment descriptors for web services.

13) The use of a relational database in a Java EE environment is supported best by \_\_\_\_\_.

- a. Bean Managed Persistent Enterprise Entity Beans.
- b. POJO Entities with annotations and controlled by an implementation of the Java Persistence Architecture.
- c. Container Managed transactional beans with direct JDBC access.
- d. POJO beans and the specification of SQL in the EJB deployment descriptor.

- 14) Security in Java EE \_\_\_\_\_.
- Is provided by the Java EE containers.
  - requires the Java Authentication and Authorisation Service (JAAS) on the web tier.
  - is implemented as single sign-on feature, relying on an LDAP server.
  - is based on realms, users, groups and roles.
- 15) Which pattern is NOT defined as a Java EE pattern (or Java EE blueprint)
- Business Delegate
  - Proxy
  - Service to Worker
  - Service façade
- 16) Enterprise Java has the following containers
- Servlets and JSPs
  - Gantt Chart
  - Hibernate
  - Struts
- 17) Which is the base class of Java
- HttpServletRequest
  - HttpServletResponse
  - Object
  - HttpSession
- 18) Phases of Life-cycle of servlet
- Service;init;destroy
  - Destroy;service;init
  - Init;service;destroy
  - GetPost;service;destroy
- 19) Which are the two parameters of HttpServlet?
- HttpRequest and HttpResponse
  - GET and POST
  - Init and service
  - Attributes and Parameters
- 20) Enterprise Java is scalable means
- Runs on all hardware
  - Error-free
  - Secure
  - Can be multiplied
- 21) JDBC stands for
- Jango data Collection
  - Java Database Connectivity

- c. Jole Derby Connection
- d. Java Duty Connect

22) Class.forName is a

- a. Global variable
- b. Static method
- c. JDBC driver
- d. Derby connector

23) This is not a statement in the statement

- a. Interface Statement
- b. Prepared Statement
- c. Minsky Statement
- d. Callable Statement

24) The connection interface has the following parameters:

- a. URL, username, password
- b. Port number
- c. Localhost
- d. Forname

25) What is the function of rs.next() in a result set called rs?

- a. Linked list pointer
- b. Iterate through the retrieved set of data
- c. Remainder of an array
- d. Rest space

26) The steps to connect a database are

- a. Select Driver , Create DB, Connect,execute command
- b. Select Driver, execute command, Connect
- c. Connect, select driver, execute command , create DB
- d. Execute only

27) DML functions in SQL statements use the following command to complete their function:

- a. execute
- b. executeQuery
- c. executeUpdate
- d. runQuery

28) What are the two main types of servlet ?

- a. General Servlet and HTTP Servlet
- b. Generic Servlet and HTML Servlet
- c. Generic Servlet and HTTP Servlet
- d. Gender Servlet and SMTP Servlet

- 29) Which is not life cycle method of Servlet ?
- a. service ( )
  - b. delete ( )
  - c. init( )
  - d. doPost( )
- 30) Which protocol is used to interact with Web Client by Servlet?
- a. HTTP
  - b. FTP
  - c. HLTP
  - d. SMTP
- 31) All information send from web client is available in \_\_\_\_\_ object .
- a. ServletRequest
  - b. ServletResponse
  - c. ServletOutputStream
  - d. ServletContext
- 31) ----- method helps to sends request from servlet to another resource.
- a. response ( )
  - b. print ( )
  - c. include ( )
  - d. forward ( )
- 32) Which JDBC driver Type(s) can be used in either applet or servlet code?
- a. Both Type 1 and Type 2
  - b. Both Type 1 and Type 3
  - c. Both Type 3 and Type 4
  - d. Type 4 only
- 33) The ..... method executes a simple query and returns a single Result Set object
- a. executeUpdate()
  - b. executeQuery()
  - c. execute()
  - d. noexecute()
- 34) Which of the following type of JDBC driver is the fastest one?
- a. Type 1
  - b. Type 2
  - c. Type 3
  - d. Type 4
- 35) Which of the following is used to call stored procedure?
- a) Statement
  - b) PreparedStatement

- c) CallableStatement
- d) CalledStatement

- 36) Which of the following is used to limit the number of rows returned?
- a. setMaxRows(int i)
  - b. setMinRows(int i)
  - c. getMaxrows(int i)
  - d. getMinRows(int i)
- 37) Which of the following is advantage of using JDBC connection pool?
- a. Slow performance
  - b. Using more memory
  - c. Using less memory
  - d. Better performance
- 38) What is a DataSource in terms of JDBC.
- a. A DataSource is the basic service for managing a set of JDBC drivers
  - b. A DataSource is the Java representation of a physical data source
  - c. A DataSource is a registry point for JNDI-services
  - d. A DataSource is a factory of connections to a physical data source
- 39) Which method is used to perform DML statements in JDBC?
- a. execute()
  - b. executeQuery()
  - c. executeUpdate()
  - d. executeResult()
- 40) How can you execute a stored procedure in the database?
- a. Call method execute() on a CallableStatement object
  - b. Call method executeProcedure() on a Statement object
  - c. Call method execute() on a StoredProcedure object
  - d. Call method run() on a ProcedureCommand object
- 41) Which object is used to forward the request processing from one servlet to another?
- a. ServletContext
  - b. ServletConfig
  - c. RequestDispatcher
  - d. ResponceRedirect
- 42) \_\_\_\_\_ method returns an object of requestDispatcher
- a. getRequestDispatcher(String path)
  - b. getNamedDispatcher(String name)
  - c. getRequestDispatcher(String name)
  - d. getNamedDispatcher(String path)
- 43) \_\_\_\_\_ object contains request of client and transfer control to another web components.

- a. Cookies
- b. include
- c. Request dispatcher
- d. forward

44) Which package is provided by Servlet API to work with cookies.

- a. javax.servlet
- b. javax.servletrequest
- c. javax.servletresponse
- d. javax.servlet.http.Cookie

45) Where are cookies placed in computer?

- a. Browser
- b. Drive
- c. List
- d. Folder

46) What is the maximum size of cookie?

- a. 4 bytes
- b. 4 mb
- c. 4 kb
- d. 40mb

47) Which attribute is used to extend the lifetime of a cookie?

- a. Name
- b. MaxAge
- c. Path
- d. Value

48) Syntax for creating a cookie

- a. Cookies ck= new cookies(" name" , " value");
- b. cookie ck = new cookies(" name");
- c. cookie ck= new cookie(" name");
- d. Cookie ck = new Cookie(" name", " value");

49) If you set the expiration time to \_\_\_ then cookie will be removed from browser.

- a. 1
- b. -1
- c. 0
- d. 2

50) How can you set cookie visibility scope to local storage?

- a. %
- b. \*
- c. +
- d. /

51) \_\_\_\_\_ does not wait for the data to be read or write before returning.

- a. Non blocking IO
- b. Servlet
- c. Cookie
- d. Session

52) Non blocking IO is \_\_\_\_\_ oriented

- a. bit
- b. Stream
- c. Buffer
- d. Byte

53) A stream can be used for \_\_\_\_\_ data transfer.

- a. Two way
- b. One way
- c. No way
- d. continuous

54) A channel provides a \_\_\_\_\_ data transfer facility.

- a. Two way
- b. One way
- c. No way
- d. continuous

55) A ServletInputStream Interface consist of \_\_\_\_\_ methods

- a. 2
- b. 3
- c. 4
- d. 5

56) onDataAvailable () and onAllDataRead methods are consist of \_\_\_\_\_

- a. ReadListener
- b. WriteListener
- c. Servlet
- d. JSP

57) onWritePossible() method is consist of \_\_\_\_\_

- a. ReadListener
- b. WriteListener
- c. Servlet
- d. Listener

58) WriteListener is used to \_\_\_\_\_ the data

- a. asynchronize
- b. synchronize
- c. buffer

d. upload

59) Which of the following code is used to get an attribute in a HTTP Session object in servlets?

- a. session.getAttribute(String name)
- b. session.alterAttribute(String name)
- c. session.updateAttribute(String name)
- d. session.setAttribute(String name)

60) Which method is used to specify before any lines that uses the PrintWriter?

- a. setPageType()
- b. setContextType()
- c. setContentType()
- d. setResponseType()

61) Which of the following is not true about session?

- a. All users connect to the same session
- b. All users have same session variable
- c. Default timeout value for session variable is 20 minutes
- d. New session cannot be created for a new user

62) Which page directive should be used in JSP to generate a PDF page?

- a. contentType
- b. generatePdf
- c. typePDF
- d. contentPDF

63) Which of the following do not supports JSP directly?

- a. Weblogic server
- b. WebSphere server
- c. Tomcat server
- d. Apache HTTP Server

64) How many jsp implicit objects are there and these objects are created by the web container that are available to all the jsp pages?

- a. 8
- b. 9
- c. 10
- d. 7

65) Which of the following are the valid scopes in JSP?

- a. request, page, session, application
- b. request, page, session, global
- c. response, page, session, application
- d. request, page, context, application

66) Which of the following is not a jsp directive?

- a. include
- b. page
- c. scriptlet
- d. useBean

67) Which one is the correct order of phases in JSP life cycle?

- a. Initialization, Cleanup,Compilation,Execution
- b. Initialization,Compilation,Cleanup,Execution
- c. Compilation, Initialization,Execution, Cleanup
- d. Cleanup,Compilation, Initialization, Execution

68) Which tag should be used to pass information from JSP to included JSP?

- a. Using `<%jsp:page>` tag
- b. Using `<%jsp:param>` tag
- c. Using `<%jsp:import>` tag
- d. Using `<%jsp:useBean>` tag

69) What will be output of the JSP code?

`#{101 % 10}`

- a. 1
- b. 10
- c. 1001
- d. 101%10

70) Which method of the Component class is used to set the position and size of a component in JSP?

- a. SETPOSITION()
- b. SETBOUNDS()
- c. SETSIZEPOSITION()
- d. SETSIZE()

71) What is the syntax of scriptlet tag?

- a. `<%-- --%>`
- b. `<% %>`
- c. `<%= %>`
- d. `<%! %>`

72) Which tag is used to declare variables as well as methods?

- a. JSP Scripting
- b. JSP Directive

- c. JSP Standard Action
- d. JSP Declaration

73) Which is not a directive?

- a. include
- b. page
- c. export
- d. taglib

74) Which attribute defines the MIME type of the HTTP response?

- a. ContentType
- b. language
- c. PageEncoding
- d. isELIgnored

75) What is the use of errorPage Attribute in JSP Page directive?

- a. Is used to declare that the current page is the error page.
- b. If exception occurs in the current page, it will be redirected to the error page.
- c. Both (a) and (b) are true.
- d. Neither (a) nor (b).

76) How can one JSP Communicate with Java file?

- a. `<%@ page extends="....." %>`
- b. `<%@ page import="....." %>`
- c. `<%@ page info="....." %>`
- d. `<%@ page isELIgnored="....." %>`

77) What is the need of a tag library?

- a. JSP tag libraries are used by Web application designers who can focus on presentation
- b. JSP tag libraries are used by Web application designers who can focus on presentation and the database access.
- c. JSP tag libraries are used by Web application designers who can focus on presentation and other enterprise services.
- d. JSP tag libraries are used by Web application designers who can focus on presentation and other enterprise database.

78) Two phases in JSP life cycle are?

- a. Transist phase & Compile phase.
- b. Translation phase & Compilation phase.
- c. Runtime phase & service phase.
- d. Translation phase

79) What is the full form of JSP ?

- a. Java Service Page.
- b. Java Server Page.
- c. Java Service Product.

d. Java Server Product.

80) When a container loads a JSP it invokes which method before servicing any requests?

- a. init() method.
- b. initialization() method.
- c. jspInit() method.
- d. initial() method.

81) After JSP page is initialized which method is invoked ?

- a. service() method.
- b. \_jspService() method.
- c. \_JspService() method.
- d. jspservice() method.

82) To perform any cleanup, such as releasing database connections or closing open files, Which method is used.?

- a. \_jspService() method.
- b. jspDestroy() method.
- c. jspInit() method.
- d. jspRetrieve() method.

83) The recommended file extension for the source file of a JSP page is ?

- a. .java extension.
- b. .exe extension.
- c. .jsp extension.
- d. .java extension

84) Which two types of text is included in JSP page?

- a. Static data and Dynamic data.
- b. Static data and JSP Elements.
- c. Dynamic data and JSP Elements.
- d. Static data and Servlet Element.

85) A JSP file uses a tag as <myTaglib:myTag> The myTag element here should be defined in the tag library descriptor file in the tag element using which element. Select the one correct answer.

- a. tagname
- b. name
- c. tag
- d. prefix

86) Which of the type of Java conditional statement is the <c:choose> tag similar to?

- a. If
- b. Switch
- c. When
- d. for

- 87) What is the default value of the type attribute for the `<fmt:formatNumber>` and `<fmt:parseNumber>` actions?
- Currency
  - Percentage
  - number
  - dollar
- 88) Prefix of function tag library begins with?
- func
  - f
  - fun
  - fn
- 89) How to query and update in database transaction in JSTL?
- `<Sql:transact>`
  - `<Sql:query>`
  - `<sql:update>`
  - `<sql:transaction>`
- 90) Which of these represent the correct path for the core JSTL library in JSTL version 1.1?  
Select the one correct answer.
- `http://java.sun.com/jsp/jstl/core`
  - `http://java.sun.com/jsp/core`
  - `http://java.sun.com/core`
  - `http://java.sun.com/jsp/jstl1.1/core`
- 91) Assuming the appropriate taglib directives, which is not valid examples of custom tag usage?
- `<foo:bar>`
  - `<my:tag></my:tag>`
  - `<mytag value="x" />`
  - `<c:out value="x" />`
- 92) Which JSTL provide supports for string manipulation?
- JSTL String
  - JSTL function
  - JSTL XML
  - JSTL formatting
- 93) Enterprise Bean Architecture consists of-
- Enterprise Bean Server, Enterprise Bean, Enterprise Bean Clients, and Other services like JNDI and JTS
  - Enterprise Bean Server, Enterprise Bean Containers, Enterprise Bean, Enterprise Bean Clients
  - Enterprise Bean Server, Enterprise Bean Containers, Enterprise Bean, Enterprise Bean Clients, and Other services like JNDI and JTS

- d. Enterprise Bean Server, Enterprise Bean, Enterprise Bean Clients, and Other services like JNDI and JTS
- 94) \_\_\_\_\_ is responsible for managing the active state for object, for each enterprise bean.
- a. Container
  - b. Server
  - c. Client
  - d. JNDI
- 95) EJB Architecture defines \_\_ types of Enterprise Beans.
- a. 4
  - b. 2
  - c. 3
  - d. 5
- 96) \_\_\_\_\_ bean can implement web service, but other types of Enterprise Beans cannot.
- a. Stateful
  - b. Singleton
  - c. MessageDriven
  - d. Stateless
- 97) Only a single client can use \_\_\_\_\_ session bean at a time.
- a) Stateful
  - b) Singleton
  - c) MessageDriven
  - d) Stateless
- 98) \_\_\_\_\_ session beans are instantiated once per application and exist for the lifecycle of the application.
- a. Stateful
  - b. Singleton
  - c. MessageDriven
  - d. Stateless
- 99) What is considered as the simplest way of obtaining an Enterprise Bean reference?
- a. JNDI lookup
  - b. JAX-RS
  - c. Dependency Injection
  - d. JSF
- 100) Message driven beans are relatively similar to-
- a. Stateful Beans
  - b. Singleton Beans
  - c. MessageDriven
  - d. Stateless Beans