

Sample Questions for TYBSc.IT SEM-5 Choice Based  
Paper Name- Enterprise Java  
Course Code- USIT506

- 1) 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.
  
- 2) 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
  
- 3) 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.
  
- 4) The Java EE platform is designed to help developers to create \_\_\_\_\_.
  - A. Large scale applications
  - B. Multi-tiered applications
  - C. Scalable and reliable applications
  - D. All of the above
  
- 5) \_\_\_\_\_ is not a feature of Enterprise Application.
  - A. Powerful
  - B. Secure
  - C. Not reliable
  - D. Complex
  
- 6) Enterprise applications are useful for \_\_\_\_\_.
  - A. Large Corporations
  - B. Small Corporations
  - C. Government Agencies

D. All of the above

7) Glassfish is a \_\_\_\_\_ server.

A. Web

B. Application

C. Both A and B

D. None of the above

8) 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.

9) 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 JDBPersistence

D. POJO beans and the specification of SQL in the EJB deployment descriptor.

10) Security in Java EE \_\_\_\_\_.

A. is provided by the Java EE containers.

B. requires the Java Authentication and Authorisation Service (JAAS) on the web tier.

C. is implemented as single sign-on feature, relying on an LDAP server.

D. is based on realms, users, groups and roles.

11) Which pattern is NOT defined as a Java EE pattern (or Java EE blueprint)

- A. Business Delegate
- B. Proxy
- C. Service to Worker
- D. Service façade

12) What are the functions of Servlet containers?

- A. Lifecycle management
- B. Communication support
- C. Multithreading support
- D. All of the above

13) Which of the following are interface?

1. ServletContext 2. Servlet 3. GenericServlet 4. HttpServlet
- A. 1,2,3,4
  - B. 1,2
  - C. 1,3,4
  - D. 1,4

14) The life cycle of a servlet is managed by

- A. servlet context
- B. servlet container
- C. the supporting protocol (such as http or https)
- D. All of the above

15) Which life-cycle method makes ready the servlet for garbage collection?

- A. init
- B. service

C. system.gc

D. destroy

16) Through which tag you can define servlet context in web.xml?

A. config-param

B. context-param

C. init-param

D. All of these

17) Which of the following method can be used to get the multiple values of a parameter like

checkbox data?

A. request.getParameter()

B. request.getParameterValues()

C. request.getParameterNames()

D. None of the above.

18) When the Web Container initializes a servlet, it creates a \_\_\_\_\_ object for the servlet?

A. ServletConfig

B. ServletInit

C. ServletContext

D. None of the above

19) Which of these classes define the getWriter() method that returns an object of type PrintWriter ?

Select the one correct answer. ?

A. HttpServletRequest

B. HttpServletResponse

C. ServletConfig

D. ServletContext

20) When the Web Container initializes a servlet, it creates a \_\_\_\_\_ object for the servlet?

- A. ServletConfig
- B. ServletInit
- C. ServletContext
- D. None of the above

21) 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

22) Which protocol is used to interact with Web Client by Servlet?

- A. HTTP
- B. FTP
- C. HLTP
- D. SMTP

23) \_\_\_\_\_ interface helps container to initialize Servlet .

- A. ServletContext interface
- B. Servlet interface
- C. ServletConfig interface
- D. All of above

24) With which method of PrintWriter we can send character data in response ?

- A. println ()

- B. getWriter ()
- C. out ()
- D. All of above

25) Give the name of method to free resources before unloading servlet .

Method Name : \_\_\_\_\_

- A. response ()
- B. print ()
- C. include ()
- D. destroy ()

26)----- method helps to sends request from servlet to another resource.

- A. response ()
- B. print ()
- C. include ()
- D. forward ()

27) Which methods are defined in HttpServletClass ?

- A. service ()
- B. doGet ()
- C. doHead ()
- D. All of above

28) When the ReadListener Interface is implemented the following methods must be overridden

except

- A. onDataAvailable()
- B. onAllDataRead()
- C. onError()
- D. Class.forName()

- 29) The status on a non-blocking read can be checked by calling
- A. `ServletInputStream.isReady()`
  - B. `ServletOutputStream()`
  - C. `DoPost()`
  - D. `DoGet()`
- 30) The overridden `onError` method calls \_\_\_\_\_ to commit the response
- A. `AsyncContext.complete()`
  - B. `Exit()`
  - C. `Return`
  - D. `System.exit()`
- 31) The Asynchronous Complete command has a corresponding \_\_\_\_\_ command to start it
- A. `forName`
  - B. `Request.startAsync()`
  - C. `Revoke()`
  - D. `Deny`
- 32) To create the Server Path for the file to be read in non-blocking mode the following get methods are called except
- A. `getServerName()`
  - B. `getServerPort()`
  - C. `getContextPath()`
  - D. `getConnection()`
- 33) The connection variable is set of type

- A. HttpSession
- B. HttpServletRequest
- C. HttpURLConnection
- D. HttpServletResponse

34) Enterprise Java has the following containers

- A. Servlets and JSPs
- B. Gantt Chart
- C. Hibernate
- D. Struts

35) Which is the base class of Java

- A. HttpServletRequest
- B. HttpServletResponse
- C. Object
- D. HttpSession

36) Phases of Life-cycle of servlet

- A. Service;init;destroy
- B. Destroy;service;init
- C. Init;service;destroy
- D. GetPost;service;destroy

37) Which are the two parameters of HttpServlet?

- A. HttpRequest and HttpResponse
- B. GET and POST
- C. Init and service
- D. Attributes and Parameters



- 38) Enterprise Java is scalable means
- A. Runs on all hardware
  - B. Error-free
  - C. Secure
  - D. Can be multiplied
- 39) JDBC stands for
- A. Jango data Collection
  - B. Java Database Connectivity
  - C. Joule Derby Connection
  - D. Java Duty Connect
- 40) This is not a statement in the statement interface
- A. Statement
  - B. Prepared Statement
  - C. Minsky Statement
  - D. Callable Statement
- 41) The connection interface has the following parameters:
- A. URL, username, password
  - B. Port number
  - C. Localhost
  - D. Forname
- 42) 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
- 43) 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

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

- A. execute
- B. executeQuery
- C. executeUpdate
- D. runQuery

45) 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

46) In which of the following type of ResultSet, the cursor can scroll forwards and backwards,

and the result set is not sensitive to changes made by others to the database that occur after the

result set was created.?

- A. ResultSet.TYPE\_FORWARD\_ONLY
- B. ResultSet.TYPE\_SCROLL\_INSENSITIVE
- C. ResultSet.TYPE\_SCROLL\_SENSITIVE
- D. None of the above.

47) Which of the following type of JDBC driver is the fastest one?

- A - Type 1
- B - Type 2

C - Type 3

D - Type 4

48) 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)

49) 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

50) 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

51) Which method is used to perform DML statements in JDBC?

A. execute()

B. executeQuery()

C. executeUpdate()

D. executeResult()

52) 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

53) Which method is used to send the same request and response objects to another servlet in RequestDispatcher?

a) forward()

b) sendRedirect()

c) Both a and b

d) None of the above

54) What are methods of request dispatcher?

a) Include()

b) forward()

c) Include() and forward()

d) None of the above

55) 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");

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

A. %

B. \*

C. +

D. /

57) Cookie manipulation is done by using which property

- A. Cookie
- B. Cookies
- C. Manipulate
- D. None of the above

58) What is the syntax of scriplet tag?

- A. `<%-- --%>`
- B. `<% %>`
- C. `<%= %>`
- D. `<%! %>`

59) What is difference between `<%-- comment --%>` and `<!-- comment -->`?

- A. `<%-- comment --%>` is JSP comment. `<!-- comment -->` is an HTML comment.
- B. `<%-- comment --%>` is ignored by JSP container.
- C. `<!-- comment -->` is ignored by browser.
- D. All of the above.

60) A JSP page consists of which tags?

- A. HTML tags.
- B. JSP tags.
- C. Both (a) and (b).
- D. None of the above

61) The difference between Servlets and JSP is the .....

- A. Translation
- B. compilation
- C. syntax
- D. Both A and B

- 62) Which of the following is true about Cleanup phase in JSP life cycle?
- A. The destruction phase of the JSP life cycle represents when a JSP is being removed from use by a container.
  - B. The `jspDestroy()` method is the JSP equivalent of the `destroy` method for servlets.
  - C. Both of the above.
  - D. None of the above.

63) What will be output of the JSP code? `${101 % 10}`

- A. 1
- B. 10
- C. 1001
- D. 101%10

64) How can one JSP Communicate with Java file?

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

65) 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) All of above.

66) What are the advantages of JSP?

- A. Nobody can borrow the code.

- B. Faster loading of Pages.
- C. No Browser Compatibility Issues.
- D. All of the above.

67) What are the Disadvantages of JSP?

- A. Difficult Looping in JSP.
- B. Occupies a lot of space.
- C. Both of the above.
- D. None of the above.

68) Two phases in JSP life cycle are?

- A. Transist phase & Compile phase.
- B. Translation phase & Compilation phase.
- C. Runtime phase & service phase.
- D. None of the above.

69) What is the full form of JSP ?

- A. Java Service Page.
- B. Java Server Page.
- C. Java Service Product.
- D. None of the above.

70) 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.

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

- A. service() method.
- B. jspService() method.
- C. JspService() method.
- D. jspservice() method.

72) What is the full form of JSTL

- A. JSP tag library
- B. Java server pages tag library
- C. Java Standard Tag library
- D. None of the above

73) 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.

- A. tagname
- B. name
- C. tag
- D. prefix

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

- A. If
- B. Switch
- C. When
- D. for

75) Prefix of function tag library begins with?

- A. func
- B. f
- C. fun
- D. fn



76) How to query and update in database transaction in JSTL?

- A. <Sql:transact>
- B. <Sql:query>
- C. <sql:update>
- D. <sql:transaction>

77) Which of these represent the correct path for the core JSTL library in JSTL version 1.1?

Select the one correct answer.

- A. <http://java.sun.com/jsp/jstl/core>
- B. <http://java.sun.com/jsp/core>
- C. <http://java.sun.com/core>
- D. <http://java.sun.com/jsp/jstl1.1/core>

78) Assuming the appropriate taglib directives, which is not valid examples of custom tag usage?

- A. <foo:bar>
- B. <my:tag></my:tag>
- C. <mytag value="x" />
- D. <c:out value="x" />

79) What is the default value of the type attribute for the <fmt:formatNumber> and <fmt:parseNumber> actions?

- A. Currency
- B. Percentage
- C. number
- D. dollar

80) Which JSTL provide supports for string manipulation?

- A. JSTL String

- B. JSTL function
- C. JSTL XML
- D. JSTL formatting

81) Which Custom tag is used to dynamically add the contents from the provided URL to the

current page at request time?

- A. <c:import>
- B.<c:include>
- C. <c:content>
- D. None of the above

82) An EJB Server takes care of

- A. Security
- B. Threads
- C. Connection Pooling
- D. All of the above

83) Business Components developed using EJB Architecture are called as

- A. Java Beans
- B. Enterprise Java Beans Components
- C. Enterprise Modules
- D. None of the Above

84) Message driven beans are relatively similar to

- A.Stateful Beans
- B. Singleton Beans
- C. MessageDriven
- D. Stateless Beans

85) Session Beans can be accessed from –

- A. Remote Java clients
- B. Web service clients
- C. Components running in same server
- D. All of the above

86) Which version of EJB introduced concept of No interfaces for Session Beans?

- A. EJB 1.0
- B. EJB 2.1
- C. EJB 3.1
- D. EJB 3.2

87) Which one of the following best illustrates the concept of Object Persistence.

- A. Determining how an object's state [data stored in member variable of an object ] is stored in database table columns.
- B. Provides an object – oriented view of persistent data.
- C. Design patterns and sophisticated object oriented concepts such as inheritance and polymorphism can be used.
- D. Provide one to one mapping to database table.

88) Which of the following is not a correct explanation of JDO.

- A. JDO is a standard way to access persistent data in databases, using plain old Java objects (POJO) to represent persistent data.
- B. JDO is an object relational mapping tool.
- C. Provides object relational query language and support non-relational databases.
- D. JDO was popular and an integrated part of enterprise java platform.

89) What is ORM.

- A. Object Relation Map

- B. Object Rate Mapping
- C. Object Relational Mapping
- D. Object Relational Mapper

90) Which method is used to remove a persistent instance from the datastore.

- A. Session.remove()
- B. Session.delete()
- C. Session.del()
- D. Session.rm()

91) Which of the following is true about SessionFactory object in hibernate?

- A. SessionFactory object configures Hibernate for the application using the supplied configuration file.
- B. SessionFactory object allows for a Session object to be instantiated.
- C. TheSessionFactory is a thread safe object.
- D. All options mentioned for this question.

92) Which method is used to update the state of the given instance from the underlying database?

- A. Session.store()
- B. Session.keep()
- C. Session.update()
- D. Session.load()

93) Which of the following simplifies an Object Relational Mapping Tool?

- A. Data creation
- B. Data manipulation
- C. Data access
- D. All options mentioned for this question.

94) \_\_\_\_\_ is not a core interface of hibernate.

- A. Criteria
- B. Session
- C. SessionManagement
- D. Configuration

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

- A. ReadListener
- B. WriteListener
- C. Servlet
- D. Listener

96) MultipartConfig annotation has \_\_\_\_\_ attributes

- A. Location
- B. maxFileSize
- C. maxRequestSize
- D. all of the above

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

- A. asynchronize
- B. synchronize
- C. buffer
- D. upload

98) Which mechanism naming service will provide?

- A. To call objects
- B. To associate methods with objects
- C. To name objects and to retrieve objects by Name
- D. Call service methods.

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

A. Two way

B. One way

C. No way

D. continuous

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

A. Two way

B. One way

C. No way

D. continuous