XML Quiz
  For each question, choose the best choice out of the given choices.

1. What does XML stand for?
A. X-Markup Language
B. eXtra Modern Link
C. Example Markup Language
D. eXtensible Markup Language

2. XML's goal is to replace HTML
A. True
B. False

3. What does DTD stand for?
A. Direct Type Definition
B. Document Type Definition
C. Document Type Declaration

4. Is this a correct XML document?
<?xml version="1.0"?>
<to>Students</to>
<from>Teacher</from>
<heading>Reminder</heading>
<body>We are at Software Park, Thailand</body>
A. Yes
B. No

5. Which statement is true?
A. All XML elements must have a closing tag
B. All XML documents must have a DTD or an XML schema
C. All XML elements must be lowercase
D. All of the statements are true

6. Which statement is true?
A. XML tags are case sensitive
B. XML elements must be properly nested
C. XML documents must have the root element
D. All the statements are true

7. XML preserves white spaces
A. True
B. False

8. Is this a correct XML document?
```
<?xml version="1.0"?>
<note>
    <to age=19>Students</to>
    <from>Teacher</from>
</note>
```

A. No
B. Yes

9. XML elements cannot be empty
A. True
B. False

10.   Which is not a correct name for an XML element?
A. <Note>
B. <h1>
C. <1dollar>
D. All 3 names are incorrect

11.   Which is not a correct name for an XML element?
A. <age>
B. <first name>
C. <NAME>
D. All 3 names are incorrect

12.   Which is not a correct name for an XML element?
A. <xmldocument>
B. <document>
C. <doc>

13.   For the XML parser to ignore a certain section of your XML document, which syntax is correct?
A. <xml:CDATA[Text to be ignored]>
B. <CDATA>Text to be ignored</CDATA>
C. <![CDATA[Text to be ignored]]>

14.   XML is a subset of SGML
A. True
B. False

15. XML attributes must be in double quotes
A. True
B. False

16. XML attributes must be assigned values
A. True
B. False

17. The Document Type Definition must be stored in an external file
A. True
B. False

18. What can XML do?
A. The standard for automating data exchange between systems
B. The standard for displaying data on the Web
C. The standard for a cross-platform programming language

19. Which is false?
A. XML is used to describe only structured data
B. XML is used to only on the Internet
C. XML is used to represent only simple data
D. All of the above

20. Which of the following comments are not well formed?
A. <!-- define <source> -->
B. <!-- define <source> -->
C. <!-- declaration --- 10.27.2004 -->
D. <!--- this is a valid comment -->

21. Provided that the file x.dtd has the following contents. Which of the xml files are valid?

```
<!ELEMENT test (a, b)>
<!ELEMENT a ANY>
<!ELEMENT b (#PCDATA | c)*>
<!ELEMENT c EMPTY>
<!ATTLIST c valid (true | false) #IMPLIED>
```

a.
```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE test SYSTEM "x.dtd">
<test>
      <a/>
      <b>text<c valid="true"/></b>
</test>
```

b.
```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE test SYSTEM "x.dtd">
<test>
      <a>Element <a>can</a>
      contain <anything/></a>
</test>
```

c.
```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE a SYSTEM "x.dtd">
<b>Sample</b>
```

22. How can you declare in a DTD that the element x contains either the element a or the element b, but not both of them

a) `<!ELEMENT x a|b>`
b) `<!ELEMENT x (a|b)>`
c) `<!ELEMENT x (a?, b?)>`
d) It is not possible to declare in a DTD that one element contains either the element a or the element b, but not both of them

23.   How can you declare in a DTD that the element x contains the element a, or the element b, or both of them in the sequence a b.

a) <!ELEMENT x a|b>

b) <!ELEMENT x (a|b)>

c) <!ELEMENT x (a?, b?)>

d) None of the declarations above does solve the problem.

24.   How can you declare in a DTD that the empty element x has either the attribute a or the attribute b (or both of them). The attributes contain any value.

a) <!ELEMENT x EMTPY>
   <!ATTLIST (a|b) CDATA #REQUIRED>

b) <!ELEMENT x EMPTY>
   <!ATTLIST a CDATA #REQUIRED>
   <!ATTLIST b CDATA #REQUIRED>

c) <!ELEMENT x EMPTY>
   <!ATTLIST a CDATA #REQUIRED
          b CDATA #REQUIRED>

d) It is not possible to make the presence of one attribute depend on another attribute

25.   How can you in a DTD declare that the element x contains both attributes a and b and that the order of them has to be ab? The attributes can contain any value

a) <!ELEMENT x EMPTY>
   <!ATTLIST (a,b) CDATA #REQUIRED>

b) <!ELEMENT x EMPTY>
   <!ATTLIST a CDATA #REQUIRED>

<!ATTLIST b CDATA #REQUIRED>

c) <!ELEMENT x EMPTY>
   <!ATTLIST a CDATA #REQUIRED>
       b CDATA #REQUIRED>

d) It is not possible to specify the order of attributes in a DTD. The order of attributes does not matter in XML.

e) It is not possible to specify the order of attributes in a DTD. The order of attributes can be specified only in an XML schema.

Valid names of elements and attributes start with a letter, an underscore or a colon, the following allowed characters are letters, numeric characters, colon, underscore, dot and hyphen (minus). Names which start with "xml" (in any case) are reserverd for W3C. The colon has a special meaning with namespaces and should not be used with any other semantic.

XML_WebServices_MCQ

1.Which of following statements is/are False?
1. XML overcomes the limitations in HTML to support a structured way of organizing content.
2. XML specification is not case sensitive while HTML specification is case sensitive.
3. XML supports user defined tags while HTML uses pre-defined tags.
4. XML tags need not be closed while HTML tags must be closed.
a.2 only
b.1 only
c.2 and 4
d.3 and 4

2.Consider an XML file called intro.xml and a document type defintion (DTD) file intro.dtd as follows:
intro.xml
<?xml version = "1.0"?>
<!DOCTYPE myMessage SYSTEM "intro.dtd">
<myMessage>
<message>Welcome to XML</message>
</myMessage>

intro.dtd
<! ELEMENT myMessage (message)>
<! ELEMENT message (#PCDATA)>
A validating parser will classify intro.xml as
a.Well-formed and validated
b.Well-formed but not validated
c.Validated but not well-formed

3.Given below is an excerpt of an xml specification.
<Book>
<title> GATE 2005 </title>
<type value = "BROCHURE"/>
<accno>10237623786</accno>
</Book>
<Book>
<type value = "FICTION"/>
<accno>0024154807</accno>
</Book>
Given below are several possible excerpts from "library.dtd". For which excerpt would the above specification be valid?
a.<!ELEMENT Book (title+, type, accno)>
 <!ELEMENT title (#PCDATA)>
 <!ELEMENT type EMPTY>

<!ATTLIST type value (BROCHURE/FICTION/TECHNICAL)> <!ELEMENT accno (#PCDATA)>

b.
<!ELEMENT Book (title?, type, accno)>
<!ELEMENT title (#PCDATA)> <!ELEMENT type ATTLIST> <!ATTLIST type value (BROCHURE/FICTION/TECHNICAL)> <!ATTLIST accno value (#PCDATA)>

c.
<!ELEMENT Book (title*, type, accno)>
<!ELEMENT title (#PCDATA)> <!ELEMENT type ATTLIST> <!ATTLIST type value (BROCHURE/FICTION/TECHNICAL)> <!ELEMENT accno (#PCDATA)>

d.
<!ELEMENT Book (title?, type, accno)>
<!ELEMENT title (#PCDATA)> <!ELEMENT type EMPTY> <!ATTLIST type value (BROCHURE/FICTION/TECHNICAL)> <!ELEMENT accno (#PCDATA)>

4.Which of the following is TRUE only of XML but NOT HTML?
a.It is derived from SGML
b.It describes content and layout
c.It allows user defined tags (maybe)
d.It is restricted only to be used with web browser

5.Which of the following statements are true with reference to the way of describing XML data?
(a)XML uses DTD to describe the data
(b)XML uses XSL to describe the data (c)
XML uses a description node to describe the data Codes:
a.(a) only
b.(b) only
c.(a) and (b)
d.(a) and (c)

6.In XML we can specify the frequency of an element by using the symbols:
a.+ * !
b.# * !
c.+* ?
d.-*?

7.The definitions in an XML document are said to be _____ when the tagging system and definitions in the DTD are all in compliance.
a.well-formed
b.reasonable
c.valid

8.The behaviour of the document elements in XML can be defined by
a.Using document object
b.Registering appropriate event handlers
c.Using element object
d.All of the above

9. Which is a valid XML comment?
a.<!– It is comment — section –>
b.<!– It is comment section –>
c.<!– It is comment section>
d.<!– It is comment section –!>

10.An XML element can contain
a.text
b.attributes
c.other elements
d. mix of the above

11.In XML, you can indicate an empty element like this:
a.
b.
c.a and b
d.none

12.XML namespaces avoid element naming conflict.
a.True b.False

13.What is true about XML Schema?
a. It is used to describe and validate the structure and the content of XML data.
b. XML schema defines the elements, attributes and data types.
c. It is similar to a database schema that describes the data in a database.
d. All of the above

14.How an element can be defined within an XSD?
a. <xs:element name = "x" type = "y"/>
b. <?xs:element name = "x" type = "y"/>
c. <xs:element name = "x" type = "y">
d. </xs:element name = "x" type = "y"/>

15._____ element is used only in the context of the text.
a. Complex Type
b. Simple type
c. Global Types
d. All of the above

16.Which of the following are correct predefined simple types?
a. xs:integer
b. xs:char
c. xs:float
d. xs:bool

17.Attributes have _____ property.
a. name
b. type
c. Both A and B
d. None of the above

18.Simple type Built into Schema "data" represent a date in?
a. MM-DD-YY
b. DD-MM-YYYY
c. YY-MM-DD
d. YYYY-MM-DD

19. XML uses the features of
a.HTML
b.XHTML
c.VML
d.SGML

20.What are the parsers supported in XML?
a.non validating and validating
b.well documented
c.well formed
d.none of the above

21.Which of the following strings is a correct XML name?
a._myElement
b.my Element
c.#myElement
d.None of the above

22.Which of the following are well formed XML fragments?
a.< myElement myAttribute="someValue'/>
b.< myElement myAttribute=someValue/>
c.< myElement myAttribute='someValue'>
d.< myElement myAttribute="someValue"/>

23.Any XML must have:-
a.Closing tag
b.Root element
c.Nested child
d.both a and b

24.How to specify the attributes with multiple values?
a.< myElement myAttribute="value1" myAttribute="value2"/>
b.< myElement myAttribute="value1 value2"/>
c.attributes cannot have multiple values
d.< myElement myAttribute="value1, value2"/>

25.In terms of performance, which of the following parsers are more suitable?
a.DOM
b.SAX

26.Is it easier to process XML than HTML?
a.No
b.Yes
c.Sometimes
d.Can't say

27. In XML, what is identified by a URI reference?
a.XML namespace
b.XSLT
c.Schema
d.DLT

28. An element is declared as ANY in the DTD as
<!ELEMENT BODY ANY>. Which are all valid element declaration?
a.<BODY> sometext</BODY>
b.<BODY>
<elements>
<elements>
</BODY>
c.<BODY>
sometext
<elements>
<elements>
</BODY>

d.All are valid

29.An element is declared as
<!ELEMENT test (sample +, conclusion)> in DTD. Which element is valid in XML document?
a.<test>
<sample>……..</sample>
<sample>……..</sample>
<conclusion>…</conclusion>
</test>
b.<test>
<conclusion>…</conclusion>
</test>
c.<test>
<sample>……..</sample>
<conclusion>…</conclusion>
</test>
d.<test>
<conclusion>…</conclusion>
<sample>……..</sample>
</test>
a,c

30.What is the meaning of this declaration in DTD?
<!ELEMENT Student (name, age)>
<!ATTLIST Student no CDATA #REQUIRED >
a.Student element should have two attributes name and age
b.Student element should not have any CDATA
c.Student element should have an attribute no
d.Student element should have name and age as child elements,attribute no is mandatory

31. Which of the following statements are true?
a.DOM is event based and SAX is object based
b.DOM is object based and SAX is event based

c.Both are object based
d.Both are event based

32. Which of the following statemetns are true?
1.org.w3c.dom defines Document class (a DOM) as well as classes for all the components of a DOM
2.org.xml.sax defines the basic SAX APIs.
3.javax.xml.parsers is the JAXP APIs, which provide a common interface for different vendors' SAX and DOM parsers.
a.1 and 2
b.2 and 3
c.1 and 3
d. All are true

33. State which of the following statements are true.
1.A resource class is a Java class that uses JAX-RS annotations to implement a corresponding Web resource.
2.Resource classes are POJOs that have at least one method annotated with @Path or a request method designator.
a. 1 is true and 2 is false
b. 2 is true and 1 is false
c. Both are true
d. Both are false

34.Which annotation is used to extract the value of a URI template parameter?
a.@QueryParam
b.@FormParam
c.@PathParam
d.@HeaderParam

35.Only public methods may be exposed as resource methods.State True/False.
a.True b. False

36.Conversion between an entity body and a Java type is the responsibility of
a.Entity
b.EntityProvider
c.Resource class
d.None

37.State whether the following statements are true/false.
1.The MessageBodyReader interface defines the contract between the JAX-RS runtime and components that provide mapping services from representations to a corresponding Java type.
2.The MessageBodyWriter interface defines the contract between the JAX-RS runtime and components that provide mapping services from a Java type to a representation.
a.1 only
b.2 only
c.1 and 2 are true
d.1 and 2 are false

38.What is the status code returned by the server for bad request?
a.400
b.401
c.403
d.404

39.What is XSRF/CSRF?
a.Cross Site Response Forgery
b.Cross Site Request Forgery
c.Cross Site Rest Forgery

40.Entities can have hyperlinks.
a. True b.False

41.The URI template for a resource method is given as follows:
http://example.com/{name1}/{name2}/. What are the valid requests that can be send
from client?
a.http://example.com/jay/gatsby/
b.http://example.com/jay/
c.http://example.com/*

42.Which of the following are valid URI templates?
a.http://example.com/{question}/{question}/{question}/
b.http://example.com/maps/{location}
c.http://example.com/{name3}/home/
d.All are valid
e.None of the above are valid

43.Which of the following is valid JSON declaration to represent a user with
attributes id,name and profession?
a.{
  "id":1,
  "name":"Mahesh",
  "profession":"Teacher"
}
b.[
  "id":1,
  "name":"Mahesh",
  "profession":"Teacher"
]
c.{
  id:1,
  name:"Mahesh",
  profession:"Teacher"
}
d.{
  "id":"1",
  "name":"Mahesh",
  "profession":"Teacher"

}

44.SOAP is not tied to any specific transport protocol.
a. True b.False

45.XML-RPC is the simplest XML-based protocol for exchanging information between computers.
a.True b. False

46.You are going to develop Stock market web service which will be consumed by other companies. Java team from your company want to re-use your web service code as soon as possible. Which approach you will follow in this case?
 A. Top down (contract first)
 B. Meet in the middle
 C. Bottom up (code first)
 D. None of the above

47.Our company want to create application in which servlet will be exposed as WS endpoint. What we will require among following? (any 3)
 A. Application needs to be packaged as JAR file.
 B. Application needs to be packaged as WAR file.
 C. web.xml is required.
 D. webservice.xml is required.
 E. WEB-INF directory is required.
 F. META-INF directory is required.
B,c,e

48.Please select incorrect statement among following statements.
 a.Confidentiality - encrypting of SOAP messages
 b.Integrity - signing of SOAP messages
 c. Authentication - attach security tokens to SOAP messages
 d. Non-repudiation - signing of SOAP messages
 e. Authorization - attach identity tokens to SOAP message

49.What are three benefits of using SSL to connect to a Web service ? (any 3)
 a. The server is assured of the client's identity if the client issues the certificate.
 b. The client is assured of the server's identity.
 c. Message integrity is preserved between the client and the server.
 d. The communication between the client and the server is still logged.
 e. The communication between the client and the server is encrypted.
 f. Using SSL over HTTP incurs less overhead than HTTPS.
A,c,e

50.Which of the following methods are not Idempotent?
a.Get
b.Post
c.Put
d.Delete

51.Which of these are not the elements WSDL ?
a.Types
b.Port Type
c.Service
d.destination

52. Which of these test do use an HTTP POST and will send the XML response.
a.<?xml version="1.0" encoding="utf-8" ?>
<short xmlns="http://tempuri.org/">38</short>
b.<?xml ?>
<short xmlns="http://tempuri.org/">38</short>
c.<?xml version="1.0" encoding="utf-8" ?>
<short xmlns="http://tempuri.org/">38
d.<short xmlns="http://tempuri.org/">38</short>

53.The Web services can not offer the application components like:
a.currency conversion
b.weather reports
c.language translation
d.web browsers

54.The XML provides the _____ in which you can write the specialized languages to express the complex interactions between the clients and the services or between the components of a composite service.
a.language
b.metalanguage
c.meta
d.services

55.Schema is an _____ based alternative for DTD.
a.XHTML
b.XSLT
c.XSL
d.XML

56.XSLT is:
a.Extensible Stylesheet Language Translators
b.Extended Stylesheet Language Transformation
c.Extensible Stylesheet Language Transformation
d.Extensible Style Language Transformation

57.What is a web service?
a.A standard way of integrating web-based applications
b.One type of service that can be part of a Service Oriented Architecture
c.Programmable XML-based service
d.All of the above

58. Service Transport, XML Messaging, Service Description and Service Discovery are four layers of
a.web service implementing client components
b.web service protocol stack
c.web service supporting repository
d.web service supporting request and response components

59.Web Services attempts to describe architecture based on
a.Representational State Transfer (REST)
b.Remote Procedure Calls
c.Reusable Application Components
d.None of the above

60.Which of the following is an open source SOAP server and client?
a.Apache ANT
b.Apache Tomcat
c.Jakarta Struts
d.Apache Axis

Web_Services_MCQ1

1.Our company wants to create JAX-WS Web service client for weather forcast service. This weather forcast service is implemented in C++. You have given a WSDL file for service. What is correct statement to be able to create WS client from WSDL.
 a. Use JAXP to parse and generate the java classes from WSDL. Then create Service Endpoint Interface(SEI) from factory classes. Then use SEI to call WS.
 b. Use wsgen to generate SEI from WSDL and then invoke SEI's methods to call WS.
 c. Use wsimport to generate SEI from WSDL and then invoke SEI's methods to call WS.
 d. We can not consume a web service created in C++ on java.

2.What is an best way of the handling of application exceptions thrown by a JAX-WS service endpoint?
 a. Exceptions should be mapped to faults in WSDL.
 b. Exceptions are NOT handled by JAX-WS clients.
 c. Exceptions are always propagated to JAX-WS clients as RemoteExceptions.
 d. Exceptions are always propagated to JAX-WS clients as WebServiceExceptions.
 e. Exceptions are always propagated to JAX-WS clients as SOAPFaultExceptions.

3.What is the correct definition of WSDL's port element?
 a. Contains data type definitions using type system.
 b. Description of an action supported by the service.
 c. Set of operations supported by one or more Endpoints.
 d. A single endpoint defined as a combination of a binding and a network address.

4.Which two statements are true about the Web services? (any 2)
 a. SOAP messages are compressed during transport to reduce size of payload.
 b. You have to implement session tracking via HTTP cookies.
 c. The WSDL defines services as collections of network endpoints.
 d. Data interchange is done via XML.

5.We want to develop a Web Service and after developing we understood result processing can take a long time to finish. So we decided to convert it to asynchronous method invocations. Is it possible to convert our synchronous Web Service to an asynchronous Web Service using SOAP?
a. True b.False

6.Which of the following code snippet matches to this WSDL portType element?
```
<portType name="ElementsTableImpl">
 <operation name="getTable">
  <input message="tns:getTable" />
  <output message="tns:getTableResponse" />
  <fault message="tns:WsException" name="WsException" />
 </operation>
</portType>
```

```
a.@WebService
  public class ElementsTableImpl {
   public SimpleElementsTable getElementsTable(Integer number) throws
WsException {
    SimpleElementsTable table = new SimpleElementsTable(number);
      return table;
   }
```

```
    }

b.@WebService
  public class ElementsTableImpl {
   public SimpleElementsTable getTable(Integer number) {
    SimpleElementsTable table = new SimpleElementsTable(number);
    return table;
   }
  }

c.@WebService (endpointInterface="ElementsTableService")
  public class ElementsTableImpl {
   public SimpleElementsTable getTable(Integer number) throws WsException {
    SimpleElementsTable table = new SimpleElementsTable(number);
    return table;
   }
  }

d.@WebService
  public class ElementsTableImpl {
   public SimpleElementsTable getTable(Integer number) throws WsException {
    SimpleElementsTable table = new SimpleElementsTable(number);
    return table;
   }
  }
```

7.Select HTTP methods associate with SOAP Web service.
 a. Put
 b. Post
 c. Get
 d. Delete

8.Select the operations supported by Web Services.
 a. One way (Request only)
 b. Two way (Request - Response)

c. Solicit-Response (Server push message and client responds)
d. Notification (Request/message from server to client)
e. All of the above

9.Select statements which are true for SOAP. (any 3)
a. SOAP is specification for exchanging structured information
b. SOAP relies on other transport protocols like http, ftp for data trasmission
c. SOAP uses xml to format data
d. SOAP uses json to format data

10.There are two approaches to develop a web service, depending on whether you define the contract first or last.
a) True
b) False

11.In contrast, the contract-first approach encourages you to think of the service contract first in terms of :-
a.XML
b.XML Schema(.xsd)
c.WSDL
d.All of the mentioned

12.To send objects across the wire, beans need to be encoded using the Java Architecture for XML Binding (JAXB).
a.True
b.False

13. If you are deploying into a Java EE 5 (or better) container, you may simply create a bean that is annotated with:-
a. javax.jws.WebService
b. javax.jws.WebServiceProvider
c. a&b
d. none of these

14. Tomcat doesn't support JAX-WS by itself.
a. True
b. False

15. Which of the following role of web service architecture implements the service and makes it available on the Internet?
a. Service Provider
b. Service Requestor
c. Service Registry
d. None of the above

16. The simpler approach of implementing a web service is named as
a. Entity State Transfer
b. JavaScript Entity Notation
c. Representation State Transfer
d. JavaScript Object Notation

17. Coding and decoding, and transporting the data is performed by
a. XML and UDDI
b. XML and SOAP
c. HTML and HTTP
d. HTML and SOAP

18. Web Services are
a. Loosely Coupled
b. Tightly Coupled
c. Either Loosely or Tightly Coupled
d. Neither Loosely nor Tightly Coupled

19. Which of the following is true about Web services?
a. Web services are open standard (XML, SOAP, HTTP etc.) based Web applications.
b. Web services interact with other web applications for the purpose of exchanging data.
c. Web Services can convert your existing applications into Web-applications.
d. All of the above.

20.Which of the following is correct statement about Synchronicity?
a.Synchronicity refers to the binding of the client to the execution of the service.
b.In synchronous invocations, the client blocks and waits for the service to complete its operation before continuing.
c.Asynchronous operations allow a client to invoke a service and then execute other functions.
d.All of the above

21.How request is sent in XML-RPC?
a.Requests are encoded in XML and sent via HTTP POST.
b.Requests are encoded in XML and sent via HTTP GET.
c.Both of the above.
d.None of the above.

22.Which of the following is a security issue with web services?
a.Confidentiality
b.Authentication
c.Network Security
d.All of the above

23.URL means _____.
a.Address of the resource on the web
b.Term used to describe Website
c.Term used to get online program
d.None of these

24. Rest is stateful.
a.True b.False

25.What is the full form of JSON?
a.JavaScript Object Native
b.JavaScript Object Notation
c.JavaScript Object Negation
d.Java Object Notation

26. The Service requestor provides a central place where developers can publish new services or find existing ones.
a.True
b.False

27. Which of the following is correctly defining loosely coupled architecture of web service?
a. A consumer of a web service is not tied to that web service directly.
b. The web service interface can change over time without compromising the client's ability to interact with the service.
c.Adopting a loosely coupled architecture tends to make software systems more manageable and allows simpler integration between different systems.
d. All of the above.

28. Which of the following is correct about UDDI?
a. UDDI is an XML-based standard for describing, publishing, and finding web services.
b.UDDI is a specification for a distributed registry of web services.
c.UDDI is platform independent, open framework.
d. All of the above.

29.Which of the following is true about behavioral characteristics of web services?
a. Asynchronous clients retrieve their result at a later point in time, while synchronous clients receive their result when the service has completed.
b. A web service supports RPC by providing services of its own, equivalent to those of a traditional component, or by translating incoming invocations into an invocation of an EJB or a .NET component.
c.Web services support the transparent exchange of documents to facilitate business integration.
d.All of the above.

30.Which of the following is correct about XML Messaging layer in Web Service Protocol Stack?
a.This layer is responsible for encoding messages in a common XML format so that messages can be understood at either end.
b.Currently, this layer includes XML-RPC and SOAP.
c.Both of the above.
d.None of the above.

Webservices_mcq

1._____ is used to convert your application into Web-Application.
a. Java Service
b.Browser Action
c. Web Services
d. Struts Services

2.Web Services are _____.
a.Application Designing Tool
b.Application IDE
c.Application Components
d.None of these

3.The basic Web Services platform is combination of _____ and _____.
a.CSS + JAVA
b.CSS + HTTP
c.XML + HTTP
d.XML + HTML

4.Web services communicate using _____.
a.Open protocols
b.Open-Close protocols
c.Close protocols
d.None of these

5.Web services are self-contained and self-describing.
a.False **b.True**

6.Web services can be discovered using _____.
a.UDDII **b.UDDI** c.UDII d.UDDDI

7._____ is the basis for Web services.
a.PHP
b.CSS
c.CGI
d.XML

8.Which of the following is considered as Web Service Platform Elements ?
a.SOAP
b.UDDI
c.WSDL
d.All of these

9.WSDL Stands for _____.
a.Web Services Description Language
b.Web Services Design Language
c.Web Services Development Language
d.None of these

10.UDDI Stands for _____.
a.Universal Development, Design and Integration
b.Universal Description, Discovery and Integration
c.Universal Description, Development and Integration

11.Acronymn of SOAP is _____.
a.Simplified Object Arbitary Protocol
b.Secure Object Access Protocol
c.Simple Object Access Protocol
d.None of these

12. Web-services were developed in order to interact _____ .
a. Server
b. Browsers
c. Different platforms

13. Web services use _____ to code and to decode data.
a. XML
b. SOAP
c. UDDI
d. None of these

14. Web Services is used to -
a. Connect existing software
b. Reuse application-components.
c. Solve the interoperability problem
d. All of these

15. SOAP is an _____ to let applications exchange information over HTTP.
a. XML-based protocol
b. JAVA-based protocol
c. PHP-based protocol
d. NET-based protocol

16. SOAP is a _____.
a. Protocol
b. Markup
c. Carrier
d. Language

17. SOAP is platform _____.
a. Dependent
b. Independent
c. None

18.SOAP is a format for sending messages and is also called as _____ .
a.Data Transfer protocol
b.Communication protocol (in web)
c.Network protocol
d.None of these

19.SOAP is a W3C standard ! (True / False)
a.False **b.True**

20._____ is a directory for storing information about web services.
a.SOAP
b.CGI
c.UDDI
d.HTTP

21.XML digital signatures provides
a.Authentication
b.Authorization
c.Confidentiality
d.Integrity

22.What is RPC?
a.Remote Process control
b.Remote Procedure call
c.Rempte Protocol control

22.What is SSL?
a.Secure Socket Layer
b.Secured Socket Layer
c.Standard Secured Layer
d.Standard Socket Layer

23.Select the communication channel not used in ws
a.HTTP/POST
b.MIME
c.SOAP
d.HTTP/GET

24.What is not a part of soap message?
a.Soap body
b.Soap envelope
c.Soap headers
d.Soap footer

25.Which of the following component of HTTP response contains metadata for the HTTP Response message as key-value pairs?
a. Status/Response Code
b. HTTP Version
c. Response Header
d. Response Body

26. Which of the following HTTP method should be read only in nature?
a.GET
b.DELETE
c.POST
d.PUT

27. Which of the following directive of Cache Control Header of HTTP response indicates that resource is not cachable?
a.Public
b.Private
c.no-cache/no-store
d.max-age

28.Which of the following HTTP Status code means NO CONTENT, when response body is empty for example, a DELETE request?
a. 200
b. 201
c. 204
d. 304

29.Which of the following annotation of JAX RS API is used to annotate a method used to create/update resource?
a. @Path
b. @GET
c. @PUT
d.@POST

30. RESTful web services make use of FTP protocol as a medium of communication between client and server.
a.True **b.False**

31.Response Header - Contains metadata for the HTTP Response message as key-value pairs.
a.True b.False

32.Which of the following layer in Web Service Protocol Stack is responsible for centralizing services into a common registry and providing easy publish/find centralizing services into a common registry and providing easy publish/find functionality?
a.Service Transport
b.XML Messaging
c.Service Description
d.Service Discovery

33.Annotation which allows the Jaxb2Marshaller marshaller to detect a class's (i.e., object's) fields.
a. XmlRootElement
b. XmlRoot
c. NotNull
d. None of the mentioned

34.Which of the following is correct about URI in RESTful web services?
a. Each resource in REST architecture is identified by its URI
b. Purpose of an URI is to locate a resource(s) on the server hosting the web service
c. Both of the above
d. None of the above

35. Annotation added as an input parameter to the handler method
a. PathParam
b. Path
c PathLocale
d. None of the mentioned

36. Each resource in REST architecture is identified by its URI.
a.True b.False

37. Explain features of XML-RPC?
a. RPCs are performed using simple XML language
b. XML encoded Requests are sent via HTTP POST
c. XML Response is embedded in HTTP response
d. All of the above

38.XML tag which represents information related to a REST service's request.
a. Result
b. Title
c. a&b
d. None

39.Some common Resources representations used in REST are
a.JSON
b.YAML
c.XML
d.HTML
e. All the above

40.RESTful web services ?
a. Defines its own security.
b. Inherits security measures from the underlying transport.
c. Both of the above
d. None of the above

41.What is/are the advantages of RESTful Web Services.?
a. Language and Platform independent
b. REST can use SOAP
c. Permits different data format
d. All of the above

42.Which of the following annotation of JAX RS API states the HTTP Response generated by web service?
a. @DELETE
b. @HEAD
c. @Produces
d. @Consumes

43. _____ is the java API for RESTful web services.?
A. JAX-RS
B. JAX-WS
C. Both of the above
D. None of the above

44. Select programming languages supported by Web Services
 a. c++
 b. Java
 c. Python
 d. C
 e. All of the above

45.Which two statements are true about the Web services? (any 2)
 a. SOAP messages are compressed during transport to reduce size of payload.
 b. You have to implement session tracking via HTTP cookies.
 c. The WSDL defines services as collections of network endpoints.
 d. All data shared between Java and non-Java components must be in XML format.
 e. Data interchange is done via in XML.

46.We have a Web Service that can respond with a Street name when receiving a House number. This service will be used on several mobile devices and size of payload should be small to consume less bandwidth. Which technologies can provide the best solution for this requirement? (any 3)
 a. XML
 b. JSON
 c. JAX-WS
 d. JAX-RS
 e. HTTP

47.Given a following code snippet of the service can you tell what is the name of the operation in WSDL file?
@WebService(serviceName = "PayrollSystemService", name = "PayrollSystem", portName = "PayrollSystemPort")
public class PayrollSystem {
 public String getEmployeeDetails(Long empId) {
  return ""dummyDetails"";
 }
}
 a. getEmployeeDetails
 b. getEmployeeDetailsOperation

c. getEmployeeDetailsMethod
d. getEmployeeDetailsWebMethod
e. getEmployeeDetailsService

48. What is JAXB?
a.Java API for XML Bean
b.Java API for XML Binding
c.Java API for XML Basics

49.Response entity is defined in which package?
a.javax.ws.rs.core.Response
b.javax.ws.rs.Response
c.javax.ws.Response

50.Which is the discovery protocol?
a.SOAP
b.HTTP
c.UDDI
d.WSDL

XML_MCQ_Test2

1.How to declare element with minimum one occurrence?
a.<! ELEMENT element-name(element-content+)>
b.<! ELEMENT element-name(element-content+)!>
c.<! ELEMENT element-name(element-content)!>
d.None of the listed options

2.Which of the following XML statement is valid?
a.<message> if price<60</message>
b.<message> if price lt 60 </message>
c.<message> if price < 60</message>
d.None of the listed options

3.DTD stands for
a.Document Type Definition
b.Direct Type Definition
c.Dynamic Type Definition
d.None of these

4.Which of the following correctly defines use of DTD in XML development?
a.DTD are used by parsers for validating the structure of the XML
b.DTD are used as contract between two systems to interoperate.
c.An Application can use the DTD to validate the XML structure it has received from external systems
d.All the above

5.Any text that should not be parsed by the xml parser needs to declare as:
I: PCDATA
II: CDATA
a.I
b.II
c.Both I and II
d. None of the above

6.What is an XML instance
a.An XML Document
b.An XML element
c.An XML attribute

7.What are the uses of XML parsers?
1.Parsing XML files and retrieving data from XML elements
2.Creating XML files programmatically
3.Used to direct conversion using an XSLT processor
a.1&2
b.2
c.1&3
d.2&3

8.Which parser reads small chunk of document at a time,parses it, generate an events and then reads another chunk of document?
a.DOM
b.SAX
c.Both
d.none

9.Which defines standard set of objects for creating XML's?
a.SAX
b.XML DOM
c.XML
d.SAX DOM

10.Which type of parser is suitable,when applications is required to read data without modifying the content?
a.DOM
b.SAX
c.Both
d.None

11.Which statement creates DocumentBuilder instance?
a.DocumentBuilder b=new DocumentBuilder();
b.DocumentBuilder b=new Builder();
c.DocumentBuilder b=factory.new DocumentBuilder();
d.None

12.What does XSL stands for?
a.Extensive Style sheet language
b.Extensible Style Language
c.Extensible Style Sheet Language
d.None

13.Which statement creates DocumentBuilderFactory instance?
a.DocumentBuilderFactory f=new DocumentBuilderFactory();
b.DocumentBuilderFactory f= BuilderFactory.newInstance();
c.DocumentBuilderFactory f=DocumentBuilderFactory.newInstance();

14.Which language is used for formatting XML documents?
a.XSL
b.XSLT
c.XSL-FO

15.Which is used to transform XML document?
a.Xpath
b.XSLT
c.XML
d.XSL

16.What are the two common exceptions in JAXP?
1.ParserConfigurationException
2.FactoryConfigurationException
3.FactoryConfigurationError
a.1&2
b.3
c.1&3
d.1

17.JAXP Stands for
a.Java API eXtensive processing
b.Java API eXtensible Processing
c.Java API for XML Processing
d.Java API for XML Parsing

18.In which package JAXP related API's are available?
a.javax.xml.parsers.*;
b.javax.xml.*;
c.javax.parsers.xml.*;

19.Which complex type specifies that the elements should always be in the order specified?
a.<xs:complexType name="CountrInfo">
<xs:all>
<xs:element name="countryName" type="xs:string"/>
 <xs:element name="states" type="xs:integer"/></xs:all>
</xs:complexType>
b.<xs:complexType name="CountrInfo"><xs:choice> <xs:element name="countryName" type="xs:string"/>
 <xs:element name="states" type="xs:integer"/></xs:choice>
</xs:complexType>
c.<xs:complexType name="CountrInfo">
<xs:sequence> <xs:element name="countryName" type="xs:string"/>
<xs:element name="states" type="xs:integer"/>
</xs:sequence></xs:complexType>

20.Which statement specifies a constant value for a simple element?
a.<xs:element name="CountryName" type="xs:string" constant="India"/>
b.<xs:element name="CountryName" type="xs:string" fixed="India"/>
c.<xs:element name="CountryName" type="xs:string" fixedvalue="India"/>

21.Which complex type signifies that only one of the child elements can appear?
a.<xs:complexType name="CountrInfo">
<xs:all>
<xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:all>
</xs:complexType>
b.<xs:complexType name="CountrInfo">
<xs:choice>
<xs:element name="countryName" type="xs:string"/>
<xs:element name="states" type="xs:integer"/>
</xs:choice></xs:complexType>
c.<xs:complexType name="CountrInfo">
<xs:sequence> <xs:element name="countryName" type="xs:string"/>

<xs:element name="states" type="xs:integer"/></xs:sequence></xs:complexType>

22.Which method of DocumentBuilder is used to parse the xml file?
a.parse
b.read
c.parseXML

23.In XML DOM every XML element is treated as Node.
a.True b.False

24.Which method is used to get the element type of a XML document?
a.node.getNodeType()
b.node.getElementType()
c.node.getType()

25.Which statement is true?
 a.All XML elements must be lower case
b.All XML documents must have a DTD
c.All XML elements must be properly closed
d.All the statements are true

26.Which statement is NOT true?
a.White-space is not preserved in XML
b.XML documents must have a root tag
c.XML tags are case sensitive
d.XML elements must be properly nested

27.XML elements cannot be empty
a.False   b.True

28.Which is not a correct name for an XML element?
a.<1dollar>
b.<h1>
c.<Note>
d.All 3 names are incorrect

28.For the XML parser to ignore a certain section of your XML document, which syntax is correct?
a.<![CDATA[Text to be ignored]]>
b.<CDATA> Text to be ignored </CDATA>
c.<xml:CDATA[Text to be ignored]>
d.<PCDATA> Text to be ignored </PCDATA>

29.What are XML entities used for?
a.Entities define shortcuts to standard text or special characters
b.Entities define shortcuts to standard elements
c.Entities define shortcuts to standard attributes

30. Which XML DOM object represents a node in the node tree?
a.The node object
b.The nodeList object
c.The document object

XML_Mcq_Test

1.Which are the main features of XML?
a. Text data description
b. Human- and computer-friendly format
c. Handles data in a tree structure having one-and only one-root element
d. All mentioned above

2.Which is a language for finding information in an XML document?
a. Xpath
b. XSLT
c. XLink
d. XPointer

3.Find the correct syntax of the declaration which defines the XML Version?
a. < ?xml version= "1.0" ? >
b. < xml version="1.0"/ >

c. < ?xml version="1.0" / >
d. None of the above

4.An XML DOM parser converts an XML document into an XML DOM object, which can then be manipulated with JavaScript.
a.True b.False

5. Abbreviate the term DOM?
a. Developed Object Model
b. Document Object Model
c. Document Oriented Model

6.Which language is case sensitive?
a. HTML
b. XML
c. Both A & B
d. None of the above

7.Which parser is read only?
a.DOM
b.SAX
c.Both
d.None

8.The getElementsByTagName() method is used to retrieve data from an XML document.
a. True
b. False

9. The following example shows which XML Syntax rule,
< note date=" 12/11/2007">
< to>Tove< /to>
< from>Jani< /from>
< /note>

(all options)
a. XML Attribute Values Must be Quoted
b. All XML Elements Must Have a Closing Tag
c. XML Tags are Case Sensitive
d. XML Elements Must be Properly Nested

10. XML is ?
a. Platform Independent
b. Language Independent
c. Both A & B
d. None of the above

11. Which are the techniques for defining the structure of a specific type of XML documents?
a. Schema
b. DTD
c. Both A & B
d. None of the above

12. Which is not a XML function?
a. Transport information
b. Style information
c. Store information
d. Structure information

13. Is this a 'well formed' XML document?
< ?xml version="1.0"? >
< note >
< to age="29" >John< /to >
< from >Smiley< / from >
< / note >
a. True
b. False

14. Which character in the XML Element will generate an error because the parser interprets it as the start of a new element?
a. " < "
b. "&"
c. Both A & B
d. None of the above

15. Which is not a W3C-recommended specification?
a. SAX
b. DOM
c. Both A & B
d. None of the above

16. Which internet language is used for describing available web services in XML?
a. WSDL
b. RSS
c. RDF
d. OWL

17. XML is the most common tool for data transmissions between all sorts of applications
a. True
b. False

18. Which is a software- and hardware-independent tool for carrying information?
a. HTML
b. XML
c. Both A & B
d. None of the above

19. Which Characters are illegal in XML elements?
a. " < "
b. "&"
c. Both A & B
d. None of the above

20. What is XML used to simplify?
a. Data storage
b. Data sharing
c. Both A & B
d. None of the above

21.Which are the XML Syntax rules?
a. All XML Elements Must Have a Closing Tag
b. XML Tags are not Case Sensitive
c. XML Elements Must be Properly Nested
d. Both A & C

22. XML documents must contain a root element; this element is "the parent" of all other elements
a. True
b. False

23.XML is designed to store data and _____.
a. Design
b. Verify
c. Transport
d. Both A & B

24.XML attribute values must always be enclosed in quotes
a. True
b. False

25.XML is designed to carry data, and to display data
a. True
b. False

26.In XML document comments are given as?
a. < !-- -->
b. < !-- ?
c. < /-- -->
d. < ?-- ?

27.Which of the following is true about SAX parsing?
a. SAX parser reads an XML document from top to bottom, recognizing the tokens that make up a well-formed XML document.
b. SAX parser reports the application program the nature of tokens that the parser has encountered as they occur
c. The application program provides an 'event' handler that must be registered with the parser.
d.All of the above.

28.Which of the following method get called when element ends in SAX parsing?
a. startDocument()
b.endDocument()
c.startElement()
d. endElement()

29. Which method of JDOM Parser gets the root element of the XML?
a. Element.getRootElement()
b. Document.getRootElement()
c. Node.getRootElement()
d.Node.getChild(Name)

30.Which technology provides the flexibility to swap between XML processors with no application code changes?
a. JAAS
b. SAX
c. XSLT
d. JAXP