



**PUNE VIDYARTHI GRIHA'S
COLLEGE OF SCIENCE AND TECHNOLOGY
Affiliated to University of Mumbai**

Question Bank

**Class: T.Y.B. Sc.CS
Subject: Web Services**

Semester: V

UNIT I

- 1 What is the purpose of XML in a web service?
 - a. A web services takes the help of XML to tag the data, format the data.
 - b. A web service takes the help of XML to transfer a message.
 - c. A web service takes the help of XML to describe the availability of service.
 - d. Not Used

- 2 WSDL stands for?
 - a. Web Services Description Language.
 - b. Web Services Direction Language.
 - c. Wired Services Description Language.
 - d. Web Services Dialect Language.

- 3 _____ is used to convert your application into Web-Application.
 - A. Struts Services
 - B. Web Services
 - C. Java Service
 - D. Browser Action

- 4 The ----- layer is responsible for transporting messages between applications.
- a) Service Discovery
 - b) Service Transport
 - c) Service Description
 - d) Service Registry
- 5 _____ layer is responsible for describing the public interface to a specific web service.
- a) Service Discovery
 - b) XML Messaging
 - c) Service Description
 - d) Service Registry
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- 6 BEEP stands for_____
- a) Blocks Extensible Enhancement Protocol
 - b) Blocks Extend Exchange Protocol
 - c) Blocks Exchange Extensible Protocol
 - d) Blocks Extensible Exchange Protocol
- 7 _____ layer is responsible for actually transporting XML messages between two computers.
- a) Service Protocol
 - b) Service Messaging
 - c) Service Transport
 - d) Service Description
- 8 Which of the following is not correct about XML-RPC
- a) Requests are encoded in XML and sent via HTTP POST.
 - b) XML-RPC is platform-independent.
 - c) XML-RPC is the easiest way to get started with web services.
 - d) XML-RPC does not allow diverse applications to communicate.

- 9 _____ is a simple protocol that uses XML messages to perform RPCs.
- a) SOAP
 - b) XML
 - c) XML-RPC
 - d) BEEP
- 10 Which of the following statements is correct about SOAP.
- a) SOAP is an XML-based protocol for exchanging information between computers.
 - b) SOAP is an XML-based language for describing web services and how to access them.
 - c) Both a and b
 - d) SOAP is a web service language

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- 11 UDDI stands for_____.
- a) Universal Description, Discovery, and Integration.
 - b) Uniform Description, Discovery, and Integration.
 - c) Universal Description, Discovery, and Interference.
 - d) Unique Description, Discovery, and Integration.
- 12 Three specific security issues with web services.
- a) Confidentiality,Integration,Network Security.
 - b) Consistency,Authentication,Network Security.
 - c) Confidentiality,Authentication,Network Security.
 - d) Consistency,Integration, Authentication.
- 13 Three major roles within the web service architecture.
- a) Service Discovery,Service Requestor,Service Registry.
 - b) Service Provider,Service Requestor,Service Registry.
 - c) Service Provider,Service Messaging,Service Registry.
 - d) Service Provider,Service Requestor,Service Description.
- 14 _____ is an XML-based standard for describing, publishing, and finding web services.
- a)SOAP
 - b)HTTP
 - c)UDDI
 - d.WSDL
- 15 Which of the following is not true about Web service?
- a) It is available over the Internet or private (intranet) networks.
 - b) It uses a standardized XML messaging system.
 - c)It is not tied to any one operating system or programming language.
 - d) It is restricted to only one language

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- 16 Which layer of the TCP / IP stack corresponds to the OSI model transport layer?
- a) Host to host
 - b) Application
 - c) Internet
 - d) Network Access
- 17 _____ layer of OSI model is responsible for moving the packets from source to destination.
- a) Transport
 - b) Application
 - c) Data link
 - d) Network
- 18 XML digital signatures provides
- A. Authentication
 - B. Authorization
 - C. Confidentiality
 - D. Integrity
- 19 Which layer is used to link the network support layers and user support layers?
- a) Session layer
 - b) Data link layer
 - c) Transport layer
 - d) Network layer

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- 20 TCP/IP model does not have _____ layer but OSI model have this layer.
- a) Session layer
 - b) Transport layer
 - c) Application layer
 - d) Network layer
- 21 Which layer is responsible for process to process delivery in a general network model?
- a) Network layer
 - b) Transport layer
 - c) Session layer
 - d) Data link layer
- 22 Which address is used to identify a process on a host by the transport layer?
- a) Physical address
 - b) Logical address
 - c) Port address
 - d) Specific address
- 23 Transmission data rate is decided by _____
- a) Network layer
 - b) Physical layer
 - c) Data link layer
 - d) Transport layer
- 24 IGMP stands for_____
- a) Internet Group Mail Protocol.
 - b) Internet Group Message Protocol.
 - c) Instant Group Message Protocol.

d) Internal Gateway Message Protocol

25 _____ protocol is used to get the physical address from the IP/logical address.

- a) ICMP
- b) IGMP
- c) RARP
- d) ARP

26 A typical _____ program obtains a remote reference to one or more remote objects on a server and then invokes methods on them.

- a) Server
- b) Client
- c) Thread
- d) Concurrent

27 The standard for deploying web services on the Java EE platform as of Java EE 1.4

- A. JAX-RPC
- B. JAX
- C. RPC
- D. RMI

28 RMI stands for?

- a) Remote Mail Invocation
- b) Remote Message Invocation
- c) Remaining Method Invocation
- d) Remote Method Invocation

29 A middleware layer between the stub skeleton and transport.

- a) Remote layer
 - b) Instruction layer
 - c) Reference layer
 - d) Remote reference layer
- 30 A software that lies between the OS and the applications running on it.
- a) Firmware
 - b) Middleware
 - c) Utility Software
 - d) Application Software
- 31 What is the other name for object middleware?
- a) Object request interface
 - b) Object enabled interface
 - c) Object Request broker
 - d) Object enabled broker
- 32 Which of the following are the major components of message in Messaging based interprocess communication.
- a) Message Header, Message Metadata, Message body
 - b) Message Header, Message Subject, Message body
 - c) Message Header, Message Metadata, Message block
 - d) Message Header, Message Metadata
- 33 _____ messaging is generally implemented using message queue technique.
- a) Synchronous
 - b) Asynchronous
 - c) Socket based
 - d) Interprocess

- 34 MOM stands for _____
- a) Message Oriented Middleware
 - b) Mails Oriented Middleware
 - c) Middleware of Messages
 - d) Main Object Middleware
- 35 RPC provides a _____ on the client side, a separate one for each remote procedure.
- a) Stub
 - b) Identifier
 - c) Name
 - d) Process identifier
- 36 Remote Procedure Calls are used _____
- a) for communication between two processes remotely different from each other on the same system
 - b) for communication between two processes on the same system
 - c) for communication between two processes on separate systems
 - d) For communication between two different OS

UNIT II

- 37 _____ and _____ are the two different kinds of classes used in RMI
- a) Remote Classes, Synchronous Classes
 - b) Request Classes, Serializable Classes
 - c) Reference Classes, Serializable Classes
 - d) Remote Classes, Serializable Classes
- 38 JMS supports messages that contain _____ Java objects.
- a) nonserialized
 - b) serialized
 - c) dynamic
 - d) Static
- 39 Which are JMS messaging models?
- a) Publish-and-subscribe , Point-to-point
 - b) Store-and-forward, Point-to-point
 - c) Store-and-forward, Peer-to-peer
 - d) Store and forward
- 40 A JMS message is composed of _____.
- a) Header, Subject, Body
 - b) Header, Properties, Block
 - c) Header, Property, Footer
 - d) Header, Properties, Body
- 41 What is an advantage of XML compared to HTML?
- a) XML works on more platforms.

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- b) XML is suited to using Web pages as front ends to databases.
 - c) XML was designed for portable phones.
 - d) XML is simpler to learn than HTML.
- 42 What is the correct syntax of the declaration which defines the XML version?
- a) `<xml version="A.0" />`
 - b) `<?xml version="A.0"?>`
 - c) `<?xml version="A.0" />`
 - d) `<?xml version="A0" />`
- 43 Which are the ways used for describing XML data.
- a) XML uses a DTD to describe the data
 - b) XML uses XSL to describe data
 - c) XML uses a description node to describe data
 - d) Both A and C
- 44 XML uses the features of _____
- a) HTML
 - b) XHTML
 - c) VML
 - d) SGML
- 45 To use XSLT in an XML system
- a) the input and output of the XSLT processor must be unparsed XML documents.
 - b) the input and output of the XSLT processor must be a hierarchical tree representing an XML document.
 - c) the XSLT processor must be called from a web agent.
 - d) the XSLT processor must be given the DTD as well as the XML document instance

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- 46 XML validated against a _____ is considered as Valid XML.
- a) JQUERY
 - b) PARSER
 - c) DTD
 - d) CFG
- 47 Complex services exhibit *coarse-grained* functionality and are
- A) stateless
 - B) stateful
 - C) both A and B
 - D) None of the above
- 48 What is acronym of SOAP ?
- A) Simple Object Active Protocol
 - B) Sample Object Access Protocol
 - C) Sample Object Active Protocol
 - D) Simple Object Access Protocol
- 49 If services can be invoked repeatedly without having to maintain context or state they are called.
- A) Stateless
 - B) Loosely coupled
 - C) Stateful
 - D) Tightly coupled
- 50 Informational services are _____
- A) stateless

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- B) stateful
C) both A and B
D) None of the above
- 51 Services that may require their context to be preserved from one invocation to the next are called
- A) Loosely coupled
B) Stateless
C) stateful
D) Tightly coupled
- 52 Always end your URI (or URL) with a _____ to avoid an extra trip to the server to determine that it is a site rather than a directory.
- a. Hyphen
b. Backslash
c. Double slash
d. Slash
- 53 Which is the default Transfer mode in WCF?
- a. Streamed
c. StreamedRequest
b. Buffered
d. StreamedResponse
- 54 Which of the following binding supports Communication with callback?
- a. wsHttpBinding
b. wsDualHttpBinding
c. netTcpBinding
d. basicHttpBinding

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- 55 Which namespace is used in WCF for data serialization?
- a. System.Xml.Serialization
 - b. System.Runtime.Serialization
 - c. System.ServiceModel
 - d. System.Service
- 56 Which of the following WCF binding does not support reliable session?
- a. wsHttpBinding
 - b. netTcpBinding
 - c. basicHttpBinding
 - d. wsDualHttpBinding
- 57 WCF attribute used to serialize Data Contract member variables?
- a. Serialize
 - b. DataMember
 - c. Data
 - d. tuple

58 WCF Contract used to send information in soap message header?

- a. DataContract
- b. ServiceContract
- c. MessageContract
- d. None

59 WCF supports Operation overloading by setting following operation contract attribute?

- a. Action
- b. Name

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- c. Overload
- d. None of the above
- 60 WCF attribute to define REST full Service?
- a. HttpGet
- b. WebGet
- c. Rest
- d. HttpPut
- 61 Which contract supports Transaction Flow?
- a. Service
- b. Operation
- c. Message
- d. Data
- 62 Which of the following is NOT true?
- A) A WCF Service can be consumed by Windows applications
- B) A WCF Service can be consumed by Web applications
- C) A WCF Service can perform calculations
- D) A WCF Service cannot return a dataset
- 63 The standard method for storing data that can be transferred easily from one machine or platform to another is_____.
- A) XML
- B) SOAP
- C) WSDL
- D) WCF
- 64 Data that is in_____format can pass through many firewalls that_____cannot

penetrate.

- A) binary, text
- B) text, binary
- C) SOAP, WCF
- D) WCF, SOAP

65 One of the advantages of using _____ is that data are transmitted in a text format rather than a binary format.

- A) XML
- B) SOAP
- C) WSDL
- D) WCF

66 The information about the names of the methods, the parameters that can be passed, and the values that are returned from the functions is controlled in some Web services by a description specified in _____.

- A) XML
- B) SOAP
- C) WSDL
- D) WCF

67 A resource on the Web is uniquely identified by its URI, which means _____.

- A) Uniform Resource Identifier
- B) Universal Registered Identifier
- C) Uniform Registered Identifier

D) Universal Resource Identifier

- 68 To add a WCF Service, select the solution name in the Solution Explorer and select _____ from File menu.
- A) Add / New Solution
 - B) Add / New Web Site
 - C) Add / New Service
 - D) Add / New Library
- 69 You have created a new service based on Windows Communication Foundation and also a client application to test the service. You want add an endpoint in the web.config file of the client application to use the new service. Which values should you include in you service element of the web.config file?
- A. Address
 - B. Contract
 - C. Binding
 - D. All of these
- 70 A service contract specifies what an endpoint communicates to the outside world. At a more concrete level, it is a statement about a set of specific messages organized into basic message exchange patterns (MEPs), such as request/reply, one-way, and duplex. Which of the following is NOT part of the Service Contract specification:
- A. The data types of messages
 - B. The specific protocols and serialization formats
 - C. The location of the operations
 - D. The frequency of messages per second

UNIT III

- 71 Services are groups of operations. To create a service contract you usually model operations and specify their grouping. In Windows Communication Foundation (WCF) applications, developers define the operations by creating a method and marking it with the which attribute?
- A. Service Contract Attribute
 - B. Data Member Attribute
 - C. Data Contract Attribute
 - D. Operation Contract Attribute
- 72 You've created a new class in your .NET project that contains a wide variety of operations grouped together to form part of a Server Contract. You now need to add an attribute to the class to define it as a service contract. Which attribute should you use?
- A. Operation Contract Attribute
 - B. Data Member Attribute
 - C. Data Contract Attribute
 - D. Service Contract Attribute
- 73 Which of the following is TRUE regarding service operations and references to objects?
- A. Objects must be serializable
 - B. You can't return values from service operations
 - C. Objects are passed as references
 - D. You can't pass parameters to service operations

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- 74 The signature of a service operation dictates a certain underlying message exchange pattern (MEP) that can support the data transfer and the features an operation requires. You want to adopt a pattern that supports the sending and receiving of messages by both the service and client. Which pattern should you choose?
- A. one-way
 - B. none of these
 - C. request/reply
 - D. duplex
- 75 Study the following line of code: `OperationContext.Current.GetCallbackChannel();` The `ICalendarDuplexCallback` interface is defined as the `CallbackContract` property in the Service Contract. In which class should you use this line of code?
- A. Client
 - B. You should never use this
 - C. Both
 - D. Service
- 76 Which of the following is FALSE regarding the `WSHttpBinding` class?
- A. Provides WS-Addressing
 - B. Provides un-encrypted messages by default
 - C. Provides reliable messaging
 - D. Provides transactions
- 77 In Windows Communication Foundation (WCF) applications, which of the following is FALSE regarding Sessions?
- A. Messages delivered during a session are processed in the order in which they are received
 - B. They are explicitly initiated and terminated by the receiving application
 - C. There is no general data store associated with a WCF session
 - D. Sessions correlate a group of messages into a conversation

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- 78 Which class in WCF represents the unit of communication between endpoints in a distributed environment?
- A. RequestContext
 - B. Message
 - C. Binding
 - D. ChannelBase
- 79 When configuring a WCF service using Visual Studio, you can use either a Web.config file or an App.config file to specify the settings. The choice of the configuration file name is determined by the hosting environment you choose for the service. Where does the endpoint configuration element lie in a .NET configuration file?
- A. System.ServiceModel – bindings – endpoint
 - B. System.ServiceModel – services – service – endpoint
 - C. System.ServiceModel – endpoint
 - D. System.ServiceModel – behaviors – behavior – endpoint
- 80 The main components of WCF services are
1. Service class, Hosting environment, start point
 2. Service class, Hosting environment, End point
 3. Start point, End point
 4. End point, Services
- 81 Web services are the amalgamation of .
- a) XML and SOAP
 - b) XML and HTTP
 - c) WSDL and UDDI
 - d) Eb-XML and WSDL
- 82 Which of the following is NOT an advantage of using classes instead of interfaces for Service Contracts?
- A. Speed
 - B. All of these are disadvantages
 - C. Simplicity
 - D. Multiple Inheritance
- 83 Which of the following header of HTTP response, provides the date and time of the resource when it was last modified?
- A - Date
 - B - Last Modified
 - C - Cache-Control
 - D – Expires

- 84 Which of the following HTTP Status code means OK, shows success?
A - 200
B - 201
C – 204
D – 304
85. .An object acting as a gateway for the client side.
a) skeleton
b) stub
c) remote
d) server
- 86 RPC works between two processes. These processes must be _____
a) on the same computer
b) on different computers connected with a network
c) on the same computer and also on different computers connected with a network
d) on none of the computers
- 87
WCF services can communicate with_____.
a. all programming languages
b. XML
c. only the languages included with Visual Studio .NET
d. multiple platforms and multiple language
- 88 Which of the following HTTP method should be used to create resource using RESTful web service?
a) GET
b) DELETE
c) PUT
d) POST
- 89 Which of the following is correct about URI in RESTful web services?
a) Each resource in REST is identified by its URI
b) Purpose of URI is to locate resource on the server hosting the web service.
c) Both (a) and (b)
d) Neither (a) nor (b)

- 90 What type of web service do not keep any memory of what happens to it between requests?
- a) Stateful

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- b) Stateless
 - c) Singleton
 - d) None of these
- 91 Which element is a single root of every SOAP message?
- a) <envelope>
 - b) <entity>
 - c) <soap>
 - d) <soapEnvelope>
- 92 WCF does not support which transport schema?
- a) HTTP
 - b) TCP
 - c) MSMQ
 - d) ARQ
- 93 Which is the de facto standard protocol used by web service?
- a) HTTP
 - b) TCP
 - c) SOAP
 - d) PPP
- 94 What is new about web services?
- a) XML- a common language for describing RMC
 - b) XML a common language for describing web services.
 - c) XML a common language for describing web service directories.
 - d) All of the above.
- 95 What are the mark up languages available in REST Services?
- a. HTML & VBSCRIPT
 - b. HTML & XML
 - c. XML & JAVA
 - d. JSON & XML
- 96 What does the Acronym REST Stands for?
- a) Rest interface
 - b) Representational Assured API
 - c) Representational State Transfer
 - d) REST Assured API

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- 97 In accessing a web service through 'synchronous call'.
- a) Application can make a call to the web service and then continue to perform the needed task
 - b) A service notifies the application when it is ready
 - c) Application has to wait until execution is completed.
 - d) Call is not allowed
- 98 What is JSON Stands for?
- a. JavaScript Object Naming
 - b. JavaScript Object Notification
 - c. JavaScript Object Number
 - d. JavaScript Object Notation
- 99 Which of the following HTTP Status code means NOT MODIFIED, used to reduce network bandwidth usage in case of conditional GET requests?
- a. A 200
 - b. B 201
 - c. C 204
 - d. D 304
- 100 What is the protocol used in REST?
- a) HTTP
 - b) JMX
 - c) SOAP
 - d) XML