1. What standard is used for all aspects of web service development in this module, from describing interfaces to publishing and discovering services?   1 / 1 point

- ⦿ XML
- ◯ SOAP
- ◯ UDDI
- ◯ WSDL

✓ Correct
Correct! eXtensible Markup Language forms the basis for all of the other standards we discussed in this module.

2. What are the two major styles of SOAP requests?   1 / 1 point

- ☐ request-response
- ☐ envelope
- ☑ document style

✓ Correct
Correct! This is one of the two major types of SOAP requests. This formats the SOAP request like a document, with the fields of the document corresponding to information needed to provide the service.

- ☑ RPC style

✓ Correct
Correct! In an RPC (remote procedure call) style SOAP request, the invocation looks more like a method call, with a method name and parameters.

3. Which of these message patterns are typical of asynchronous messaging? Choose two correct answers.   1 / 1 point

- ☐ solicit-response
- ☐ request-response
- ☑ one-way

✓ Correct

Correct. One-way messages from the client to the server are used to build asynchronous messaging patterns.

☑ notification

⊘ Correct
Correct. Notifications from the server to the client are used to build asynchronous messaging patterns.

4. Your web browser has an add-on that is alerted when your favourite blog has a new post. Which messaging pattern is this?

1 / 1 point

◉ notification
○ solicit-response
○ one-way
○ request-response

⊘ Correct
Correct! The server sends the client (your browser) a message but does not receive a message in return.

5. An important part of a WSDL (Web Service Description Language) file is a section that describes how services are invoked. For example, this section includes the style of interaction (document or RPC), the transport protocol, and how messages are turned into XML. What is this section?

1 / 1 point

○ interfaces
○ types
○ services
◉ bindings

⊘ Correct
Correct! This section describes all those details.

6. Consider the two statements. Choose the one correct option.

1 / 1 point

1. SOAP messages can only be sent over HTTP

2. Every SOAP message needs a header

○ Only the first statement is true
○ Only the second statement is true

○ Both statements are true

⦿ Neither statement is true

✓ Correct
Correct! Neither of these statements are true regarding SOAP messages.

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7. Consider the two statements. Choose the one correct option   1 / 1 point

1. WSDL can be used to describe non-XML based web services

2. A WSDL document can import other WSDL documents to gain access to their specifications

○ Only the first statement is true

○ Only the second statement is true

⦿ Both statements are true

○ Neither statement is true

✓ Correct
Correct! Both statements are true. WSDL could theoretically be used to describe any service, even a real-world one. Being able to import other WSDL descriptions allows for WSDL to highly modular and reusable.

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8. UDDI covers two aspects of web service development. Which ones? Choose the two correct answers.   1 / 1 point

☐ security

☑ publishing

✓ Correct
Correct! Publishing allows your service to be searchable so that it can be connected with service consumers.

☑ discovery

✓ Correct
Correct! Discovery is the other half of UDDI, allowing service consumers to find the services they need.

☐ composition

9. The green pages of UDDI contain which data structures? Choose the two correct answers.

- [ ] businessService
- [x] tModel

  ✓ Correct
  Correct! tModels give detailed technical information about the services, including, usually, a WSDL description

- [x] bindingTemplate

  ✓ Correct
  Correct! bindingTemplates contain the information that service consumers need to bind to the interface.

- [ ] businessEntity

10. Consider the following two statements. Choose the one correct option

  1. Binding to a service is usually a run-time activity

  2. UDDI uses web services for publishing and discovering

- ( ) Only the first statement is true
- (•) Only the second statement is true
- ( ) Both statements are true
- ( ) Neither statement is true

  ✓ Correct
  Correct! UDDI itself offers web services for these activities, and they can be described with WSDL and invoked with SOAP like any other.

11. WS-BPEL covers what aspect of web services?

- ( ) security
- ( ) publishing
- (•) composition
- ( ) encryption

  ✓ Correct
  Correct! With WS-BPEL, basic services and composite services can be combined to offer new composite services

12. Which part of a WSDL 2.0 description gives concrete information about the ports to be used for the service?

- ⦿ services
- ◯ interfaces
- ◯ portTypes
- ◯ bindings

   ⊘ Correct
   Correct! The services section brings together bindings and interfaces to provide concrete port or endpoint mappings.