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1.	Marlon is creating a web page. It's a simple page, which has a list of his current projects, a short bio about himself, and some GIF images of some of those same projects that he uploaded to the server himself. What type of web page is this?	1 / 1 point
	dynamic web page	
	web service	
	web app	
	static web page	
	Correct	
	 Correct Correct! The above description has only static elements that will be stored on the web server as a full page. 	
2.	Which of these examples is a web application?	1 / 1 point
	This is a most exampled to a most application.	17 1 point
	an online shopping platform	
	a website conducting a survey	
	online poker	
	o a blog	
	Correct! Online games are a great example of web applications: users interact with them much like they would interact with a game installed onto their computers.	
	,	
3.	Which of these formats can be used to express and structure content to be sent over the internet? Choose the three correct answers:	1 / 1 point
	HTML	
	 Correct Correct! HyperText Markup Language is used to structure content for web pages. 	
	23 35 1.1, por toxe markey Language to acoustic outside content for web pages.	
	□ css	
	▼ XML	

	Correct! eXtended Markup Language can be used to structure content in many different ways and is the basis for many other standards.	
	JSON	
	 Correct Correct! JavaScript Object Notation is popular because it is lightweight and can easily be converted into Java objects. 	
4.	What are the essential parts of an HTTP request? Choose the three correct answers.	1 / 1 point
	a message body	
	headers	
	Correct Correct! At the least, the headers will include host information (like IP address or domain name) and the content that the requester will accept.	
	a blank space	
	 Correct Correct! The blank space is required in an HTTP request 	
	request-line	
	 Correct Correct! The request-line includes the request method (such as POST or PUT), the request URI, and the protocol. 	
5.	Which of these are essential parts of an HTTP server response? Choose the two correct answers.	1 / 1 point
	headers	
	 Correct Correct! Just like in the request, there are headers to give information about the response. 	
	response-line	
	a message body	
	status-line	
	Correct Correct! The status line will give the HTTP status code. If the request is successful then this will likely be "200 OK"	

6.	Consider the following two statements about Javascript. Choose the one correct option.	1 / 1 point
1	. It can allow you to generate content within the browser	
	2. A Javascript file must be sent in addition to an HTML file	
	Only the first statement is true	
	Only the second statement is true	
	Both statements are true	
	Neither statement is true	
	Correct Correct! Style and content can be generated within the browser, reducing interactions with the server.	
7.	What is the term for the action that converts the parameters into a standardized message on the client side?	1 / 1 point
	blocking	
	binding	
	invocation	
	marshalling	
	Correct! This is called marshalling.	
8.	Consider the following two statements about middleware and RPC. Choose the one correct option.	1 / 1 point
1	RPC (Remote Procedure Call) is a form of middleware	
	2. The IDL (Interface Definition Language) is responsible for generating stubs	
	Only the first statement is true	
	Only the second statement is true	
	Both statements are true	
	Neither statement is true	
	Correct Correct! Both of these statements are true. Since RPC is a component that facilitates communication between remote processes, it is considered middleware. The IDL not only catalogs the procedures available but also generates the stubs needed to call them.	

Which of these can be found in Common Object Request Broker Architecture (CORBA)? Choose the three correct answers.	1 / 1 point
interface definition language	
Orrect Correct! Just like RPC, CORBA has an IDL.	
object request broker	
 Correct Correct! This is an important part of the architecture. 	
client and server stubs facilities	
Correct Correct! Facilities provide application-level services like document management.	
10. What are some disadvantages of CORBA? Choose the two correct answers.	1 / 1 point
Clients and servers must be implemented in the same language Objects are always called remotely	
 Correct Correct! This is a problem if objects are local to one another, since it is an unnecessary overhead. 	
Implementation is difficult	
 Correct Correct! Limited time and resources may make CORBA difficult to implement properly. 	
Dynamic binding is impossible	
11. In what format are SOAP messages represented?	1 / 1 point
SOAP formatting is not based on any other format XML	
JSON HTML	

 True False ✓ Correct Correct! Other protocols such as SMTP (email) or FTP can be used. 	12.	Which part of a SOAP message can be included but is NOT required?	1 / 1 point
Correct! A header is not necessary, but may be included, and contains information about routing or the client. 13. True or False: a SOAP message must be sent over HTTP. 1 / 1 poin True False Correct Correct! Other protocols such as SMTP (email) or FTP can be used. 14. Which type of description will a service requester need to bind to a web service? 1 / 1 poin WSDL SOAP UDDI WS-Description Correct		header envelope	
True False Correct Correct! Other protocols such as SMTP (email) or FTP can be used. 14. Which type of description will a service requester need to bind to a web service? WSDL SOAP UDDI WS-Description Correct		Correct! A header is not necessary, but may be included, and contains information	
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WSDLSOAPUDDIWS-Description✓ Correct			
SOAP UDDI WS-Description Correct	14.	Which type of description will a service requester need to bind to a web service?	1 / 1 point
		SOAP UDDI	
15. Which section of WSDL 2.0 contains concrete information like physical ports and mapping interfaces to endpoints?	15.		1 / 1 point
oportTypes bindings			

interfaces	
services	
 Correct Correct! The services section specifies which interfaces and bindings to use and at which physical port or endpoint. 	
16. What does the types section of a WSDL 2.0 document allow developers to do?	1 / 1 point
Define abstract data types	
Specify document-style or RPC-style interaction	
Specify which communications protocol is used (HTTP, SMTP)	
Specifies the type of interaction (request-response, solicit-response)	
Correct Correct! This sections allows for the definition of abstract data types that will be used in the invocation.	
 17. Which aspects of web services does UDDI allow you to implement? Choose the two correct answers. invocation publication 	1 / 1 point
 Correct Correct! UDDI can be used to publish services so that they can be found by service requesters. 	
discovery	
Correct Correct! Service requesters can find services by searching UDDI directories.	
composition	
18. In which section of a UDDI description will you find information like the category of business and service?white pages	1 / 1 point
green pages	
blue pages	

yellow pages	
Correct Correct! Think of this like the real yellow pages, where you can find a business according to their business type, but precisely and hierarchically defined.	
19. Under which data structure of UDDI will you find a reference to the WSDL description? tModel businessEntity businessService serviceInterface	1 / 1 point
Correct Correct! The tModels will have various technical descriptions that can reference each other. One of these will reference a WSDL description.	
20. What is the difference between coordination and composition in the context of services? coordination can only be done in a synchronous way composition exposes a combination of services as another service composition uses only objects coordination is focused on pairwise interactions	1 / 1 point
 Correct Correct! The defining feature of composition is that the services are combined and exposed as a composite service. 	
21. Consider the following two statements. Choose the one correct option.1. WS-BPEL only allows you to compose services out of basic services.2. WS-BPEL has other features such as conditional logic and the ability to store state.	1 / 1 point
Only the first statement is true Only the second statement is true Both statements are true Both statements are false	

22. What does it mean that RESTful services are cacheable? 1 / 1 point the server can store the state of the interaction the client can store a version of the server's response the server can queue and prioritize requests the service logic can be stored on the client (V) Correct Correct! A server can specify that a response is cacheable which means the client will store a local version of it in case of a duplicate response. 23. Which of these formats can be used within the invocation of a REST service? Choose 1 / 1 point the three correct answers. JSON (√) Correct Correct! JSON is an acceptable and widely used format for passing information to and from a REST service. XML(√) Correct Correct! XML can definitely be used for passing information to and from a REST service. simple text Correct Correct! Even simple text works for REST services as long as the client and server both understand it. WSDL 24. Which of these is a good name for a REST resource? In other words, which of these 1 / 1 point resource names follow best practices? Choose the two correct answers.

Correct! These features help you attain rich functionality when you create composite

services.

/getCar/2 /cars/2

	Correct! We recommend using plural names for your resources for consistency.	
	/cars/2/tires	
	Correct! Sub-resources can show the relationship between resources.	
	car/2	
25.	You received an HTTP status code 201 from the server, which means that a resource was created. In a well-designed REST service, which HTTP methods did you send to the server?	1 / 1 point
	PUT DELETE GET POST	
	Correct! POST is usually used to create a new resource in RESTful web services.	
26.	Which of these elements in the HTTP header of a request specifies the format of the response?	1 / 1 point
	Content-Encoding: Content-Type: Host Accept:	
	 Correct Correct! This field specifies what kind of content will be understood by the client. 	
27.	What is the most important difference between WS*-style web services (which utilize SOAP, WSDL, etc.) and RESTful web services?	1 / 1 point
	WS* are more secure	
	They do not use the same transfer protocol Their differences are very minor	
	RESTful services are simpler	

Correct Correct! RESTful services do not impose as many restrictions on the data format, etc., and use simple HTTP methods. Be careful, though, as both styles of web services may become complex.	
28. Where are the formats of the input and output data specified, according to REST best practices?	1 / 1 point
☐ In the HTTP request in XML format	
In the HTTP header	
As parameters in the URL	
In the HTTP request in JSON format	
Correct Correct! The HTTP header can specify the format of the request and what kind of response it will understand in the response from the server.	
29. What are some advantages of microservices architecture? Select the two correct answers.	1 / 1 point
Services can be developed in different languages	
Correct Correct! This allows developers to use the best tools for the job, and even to try new languages in some parts of the software.	
Good performance	
Scaling through replication	
 Correct Correct! Scaling can be achieved through replication of services, and this scaling can be done independent of other services. No centralized management 	
30. Consider the following two statements about microservices architecture. Choose the one correct option.1. Communication between microservices is stateless	1 / 1 point
2. Testing microservice architecture is complex	
Only the first statement is true.	
Only the second statement is true	

Both statements are true
Neither statement is true

Correct! Both of these statements are correct.