

Helwan University Faculty of Computers and Information Information Systems Department

Midterm Exam

<u>Midterii Exaiii</u>				
Subject: Internet Applications – IS 345			Time Allowed: 45 Min.	
Second Semester (March, 2016)			Instructor: Dr. Hanan Fahmy	
Name:			ID:	
	Level:		Dept:	
Answer the following questions:				
<u>1.</u>	Performs parsing and layout for (X)HTML documents enriched with other languages.			
•	(A) XML Parser	(B) Rendering Engine	(C) Easily modifiable	
<u>2.</u>	and servers.	•	or enable communications between clients	
_	(A) Web Server	(B) HTTP	(C) Block communication model	
<u>3.</u>	may use an (X)HTML engine to combine dynamic content with (X)HTML template to generate resulting documents that finally are delivered to the web browser.			
4	(A) Application engine	(B) AJAX engine	(C) Web server	
<u>4.</u>	(A) Web server	egenerated processing entity and forwar (B) The connector entity	(C) The delegation process	
5		re and the legal elements and attributes of		
<u>5.</u>	(A) SAX	(B) DTD	(C) XML Schema	
<u>6.</u>	* /	at in its logical tree structure thus making		
<u>U.</u>	representation of the document in	to memory		
_	(A) SAX	(B) DOM	(C) YAML	
<u>7.</u>	page has been delivered.	tion multiple times to download images		
	(A) HTTP 1.0	(B) HTTP 1.1 pipelining	(C) HTTP 1.1	
<u>8.</u>	The code that started with means that requested resource has been moved permanently to new			
	URL. (A) 3XX	(D) AVV	(C) EVV	
Δ		(B) 4XX ransport for HTTP semantics using mult	(C) 5XX	
<u>9.</u>	(A) HTTP 2	(B) HTTP 1.2	(C) Comet	
<u>10.</u>				
10.	Web server is responsible for rendering the user interface and communicating with the server on the user's behalf.			
	(A) True	(B) False		
11.	* /	that should be performed on the address	ssed resource and includes	
parameters (passed as key-value pairs)				
	(A) True	(B) False		
<u>12.</u>	having any need for the client to request the data.			
	(A) Asynchronous model	(A) Synchronous model	(B) Non-blocking model	
<u>13.</u>				
	<star diameter="1 392 500 km" surface="6 x 10^18 km2" type="G2">sun</star>			
	<moon 000="" 148="" 900="" kr<="" surface="37 932 330 ki</th><th></th><th></th></tr><tr><th></th><th><land surface=" th=""><th></th><th></th></moon>			
	<continent habitant="3 968 000 000" surface="44 400 000 km²">asia</continent>			
	<continent habitant="732 000 000" surface="10 500 000 km²">europe</continent>			
) km²" habitant=33 000 000>autralia/oo	ceania	
	<water surface="360 800 000 </th><th>km²"></water>			

The above code represents XML file with some errors?

(A) True (B) False Which of the following represents JSON code of the XML code in Question 11 (A) { "planet": { "name": "earth", "type": "small", "diameter": "12 756 km", "planetSystem": "sun system", "star": { "type": . "G2", "diameter: ": "1 392 500 km", "surface: ": "6 x 10^18 km²", "name": "sun" }. "surface": "37 932 330 km²", "name": "moon"}, "moon": { "land": { "surface": "148 900 000 km2", "continent": {"surface": "44 400 000 km²", "habitant": "3 968 000 000", "name": "asia"}, {"surface": "10 500 000 km2", "habitant": "732 000 000", "name": "europe"}, {"surface": "8 500 000 km²", "habitant": "33 000 000", "name": "australia/oceania"} , "water": "360 800 000 km²" }} { "name": "earth", "type": "small", "diameter": "12 756 km", "planetSystem": "sun system", "star": { "type": "G2", "diameter: ": "1 392 500 km", "surface: ": "6 x 10^18 km²", "name": "sun" }. "moon": { "surface": "37 932 330 km2", "name": "moon"}, "surface": "148 900 000 km²", "continent": ["land": { {"surface": "44 400 000 km2", "habitant": "3 968 000 000", "name": "asia"}, {"surface": "10 500 000 km2", "habitant": "732 000 000", "name": "europe"}, {"surface": "8 500 000 km²", "habitant": "33 000 000", "name": "australia/oceania" }] }, "water": "360 800 000 km²" }} { "name": "earth", "type": "small", "diameter": "12 756 km", "planetSystem": "sun system", "star": { "type": "G2", "diameter:": "1 392 500 km", "surface:": "6 x 10^18 km²", "name": "sun" "surface": "37 932 330 km2", "name": "moon"}, "moon": { "surface": "148 900 000 km2", "continent": "land": { {"surface": "44 400 000 km²", "habitant": "3 968 000 000", "name": "asia"}, {"surface": "10 500 000 km2", "habitant": "732 000 000", "name": "europe"}, {"surface": "8 500 000 km²", "habitant": "33 000 000", "name": "australia/oceania"} }, "water": "360 800 000 km²" }} 15. is a high degree of standardization and stricter syntax leads to further unification of browser engine. (B) Script engine (A) XHTML (C) None of the previous

<u>16.</u> Provide a description how comet may be implemented with pointing out how the interaction between client and server is realized using HTTP.

Answer is in Page 26 and page 28