UPES

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, April/May 2018

Program: B.Tech CSE (OSSOS)
Subject (Course): Web 2.0 Technologies
Course Code : CSIB 421
No. of page/s: 01

Semester –   VI
Max. Marks   : 100
Duration : 3 Hrs

	SECTION A	**(20 marks)**	
S. No.		**Marks**	**CO**
Q1.	Explain the term Web 2.0	4 marks	**CO1**
Q2.	Discuss the three components in which a pattern can be expressed.	4 marks	**CO3**
Q3.	Write short notes on: TCP/IP, HTTP and TLS	4 marks	**CO1**
Q4.	Bring out the disadvantages of using SaaS	4 marks	**CO2**
Q5.	Explain the issues that a developer faces while implementing Mashup Pattern	4 marks	**CO5**
	SECTION B	**(40 MARKS)**	
Q6.	"You cannot buy Web 2.0 for your enterprise" Elaborate	10 marks	**CO4**
Q7.	Using a diagram explain fusion of internet: user, machine and network	10 marks	**CO6**
Q8.	Explain the components of Web 2.0 reference architecture	10 marks	**CO8**
Q9.	Write short notes on: SOA, SaaS and Participation Collaboration **OR** "SOA and MVC architectural models are key pillars of Web 2.0" Comment	10 marks	**CO7** **CO9**
	SECTION-C	**(40 MARKS)**	
Q10.	Bring out the similarities between Web 2.0 offshoots.	20 marks	**CO10**
Q11.	Using a meme map for Web 2.0 explain relation between "aspects" and "patterns" present in Web 2.0 **OR** Differentiate between SOA Request/Response and Subscribe/Push pattern.	20 marks	**CO11** **CO9**

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	SECTION A	(20 marks)	
S. No.		**Marks**	**CO**
Q1.	Bring out the differences between Web 1.0 and Web 2.0	4 marks	**CO1**
Q2.	Bring out the advantages of using SaaS	4 marks	**CO3**
Q3.	Write short notes on: Google Adsense, Wikipedia and Flickr	4 marks	**CO1**
Q4.	Discuss the three components in which a pattern can be expressed.	4 marks	**CO2**
Q5.	Explain the issues that a developer faces while implementing Asynchronous Particle Update Pattern	4 marks	**CO5**
	SECTION B	**(40 MARKS)**	
Q6.	Explain the need of Web 2.0 in an Enterprise and why it cannot be purchased.	10 marks	**CO4**
Q7.	Using a diagram explain the blending up of user, machine and network in Web 2.0	10 marks	**CO6**
Q8.	Elaborate on the layers of Web 2.0 reference architecture	10 marks	**CO8**
Q9.	Discuss Bit-Torrent pattern of P2P distribution **OR** "SOA and MVC architectural models are key supports to Web 2.0" Comment.	10 marks	**CO7** **CO9**
	SECTION-C	**(40 MARKS)**	
Q10.	"Web 2.0 offshoots have brought in a great paradigm shift" Comment	20 marks	**CO10**
Q11.	Develop a meme map for Web 2.0 showing relationship between "aspects" and "patterns". **OR** Explain Service Oriented Architecture highlighting: request, response and subscribe, push.	20 marks	**CO11** **CO9**