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(Accredited by National Assessment & Accreditation Council (NAAC) with 'A' grade)



Department of Electronics & Communication Engg. Continuous Internal Evaluation – III

Course Name : Computer Communication Networks	Date :	17/08/2021
Course Code : 18EC6DCCCN	Day :	Tuesday
Semester : VI	Timings :	3:00PM-4:30PM
Max Marks : 50 M	Duration :	1 ½ Hrs.

No.		Question Description	Mks	CO & Levels
Q1	(a)	Which of the following is an application layer service? (i) Network virtual terminal (ii) File transfer, access, and management (iii) Mail service (iv) All of the mentioned	1	
	(b)	Which is a time-sensitive service? (i) File transfer (ii) File download (iii) E-mail (iv) Internet telephony	1	
	(c)	In the domain name - dsce.ece.ccn.edu, _____ is the most specific label. (i) dsce (ii) edu (iii) ece (iv) ccn	1	
	(d)	The HTTP request line contains a _____ method to get information about a document without retrieving the document itself. (i) Post (ii) Head (iii) Copy (iv) None of the above	1	
	(e)	_____ is the variation in delay for packets belonging to the same flow. (i) Reliability (ii) Propagation delay (iii) Bandwidth (iv) Jitter	1	
	(f)	In the process of fetching a web page from a server the HTTP request/response takes ____ RTTs. (i) 2 (ii) 3 (iii) 4 (iv) 1	1	
	(g)	SNMP is the framework for managing devices in an internet using the _____. (i) TCP/IP protocol (ii) UDP (iii) SMTP (iv) None	1	
	(h)	If a server has no clue about where to find the address for a hostname then _____. (i) server asks to its adjacent server (ii) server asks to the root server (iii) request is not processed (iv) none of the mentioned	1	
	(i)	Data transfer mode of FTP, in which all the fragmenting has to be done by TCP is _____. (i) Message mode (ii) Compressed mode (iii) Stream mode (iv) Block mode	1	
	(j)	HTTP response message leaves out the requested object when _____ method is used. (i) POST (ii) PUT (iii) GET (iv) HEAD	1	
Q2	(a)	With the necessary diagrams elaborate the four scenarios that can be used to describe the architecture of e-mail.	10	CO1/L3
Q3	(a)	What is QoS? Infer how the scheduling can be used to improve the QOS and Explain its techniques in detail.	8	CO5/L4
	(b)	If a DNS domain name is voyager.fhda.edu, how many labels are involved here? How many levels of hierarchy are there?	2	CO6/L4
Q4		What is Congestion? Describe briefly the Open-loop & Closed-loop congestion control mechanisms with the help of necessary diagrams.	10	CO6/L3
OR				
Q5		Elaborate the detailed process for congestion control mechanism used for TCP.	10	CO5/L3
Q6	(a)	Suggest and explain about an algorithm which shapes the bursty traffic into fixed rate traffic by averaging the data rate.	5	CO5/L3
	(b)	How does recursive resolution differ from iterative resolution.	5	CO6/L4
OR				
Q7	(a)	Outline the static web documents. Elaborate on HTML.	5	CO6/L3
	(b)	Describe briefly the protocol that is mainly used to access data on World Wide Web.	5	CO6/L3