SIIT ITS413

ITS413 - Quiz 5

Name:	·		
ID:		Mark:	(out of 10)
Quest	tion 1 [2 marks]		
sample	ce over IP application samples the inpute represented by 8 bits. At what rate, in bits per second, is the		
Bytes and 12	der the overhead of VoIP. Assume the Voice data. Each packet has an addi 2 byte RTP header. What network throughput is required rate at which it is generated at the sou	itional 20 byte IP header, at to deliver the voice data to	nd 8 bytes of UDP header
	tion 2 [6 marks] the blank spaces (1 mark each)		
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a)	A IP voice call (such as using Skype) is an example of communications, whereas Youtube is an example of communications.		
b)	are often used to reduce the effects of network jitter in streaming applications.		
c)	Video applications can tolerate some applications cannot.	, v	whereas web browsing
d)	A common signaling protocol used in IP networks is		
e)	For an IPTV access network, because it	is to delivers optical fibre close	petter than er to the user's home.
f)	In RTP, can be used to convert from one data rate to another during a multimedia session.		

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Question 3 [2 marks]

Consider IP multicast versus using unicast to emulate a multicast network.

a) Explain an advantage of multicast.

b) Explain an advantage of using unicast to emulate a multicast network.