

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

Paper Code: EC602/PCC-CS602/PCCCS602 Computer Networks UPID: 006596

Time Allotted: 3 Hours Full Marks:70

The Figures in the margin indicate full marks.

Candidate are required to give their answers in their own words as far as practicable

		Group-A (Very Short Answer Type Question)	
1. An	swer	any ten of the following :	[1 x 10 = 10]
	(1)	Remote login protocol is known as	
	(11)	What is meant by protocol in computer network?	
	(III)	Layer-2 Switch is also called	
	(IV)	Each IP packet must contain	
	(V)	Token bucket algorithm is an advanced form of	
	(VI)	Mail transfer protocol is known as	
	(VII)	IP address of Loop back address is	
	(VIII)	What are the two categories of QoS attributes?	
	(IX)	Three main division of the domain name space are	
	(X)	State the function of application Layer in brief.	
	(XI)	Receiving window of selective repeat ARQ is	
	(XII)	Why IP Protocol is considered as unreliable?	
Group-B (Short Answer Type Question)			
		Answer any three of the following:	$[5 \times 3 = 15]$
2.	. Explain the functions of physical layer and Data link layer in brief.		
3.	Compare between CSMA/CD and CSMA/CA		[5]
4.	Expl	ain	[5]
		peater	
		outer	
5.	iii. Gateway How does firewall protect data?		
5. 6.		it is meant by bit stuffing and why it is used?	[5] [5]
0.	VVIII		[5]
Group-C (Long Answer Type Question)			
		Answer any three of the following:	[15 x 3 = 45]
7.	• •	Discuss the working of Twisted pair cable	[7]
		What is optical fiber? State the advantages of using optical fiber in computer network.	[8]
8.		Write short notes on: (i) Protocol using selective repeat (ii) Stop and Wait protocol	[8]
	• •	Discuss about VRC with an example.	[7]
9.		Explain token bucket algorithm	[7]
	, ,	Draw the TCP header and explain its parts	[8]
10.		Compare between static and dynamic routing.	[8]
	, .	Explain the concept of RIP.	[7]
11.		Explain how FTP can be used to browse website?	[7]
	(b)	Discuss about the Bluetooth architecture and protocols involved during Bluetooth enabled network.	[8]

*** END OF PAPER ***