No. of Printed Pages: 2

CS-68

BACHELOR OF COMPUTER APPLICATIONS (BCA) (Pre-Revised)

Term-End Examination December, 2015

00854

CS-68: COMPUTER NETWORKS

Tir	ne : 2	hours Maximum Marks : 6	Maximum Marks: 60	
No		Question number 1 is compulsory . Attempt an hree questions from the rest.	any	
1.	(a)	Explain the strategies/mechanisms of TCP used to avoid congestion.	5	
	(b)	Differentiate between optical fiber and coaxial cables.	5	
	(c)	Compare real time and non-real time services of ATM networks.	5	
	(d)	What are the different types of multiplexing techniques possible for analog signals? Explain.	5	
. •	(e)	What is channel capacity? How is it related with bandwidth? Explain.	5	
	(f)	Compare and contrast between packet switching and circuit switching.	5	

2.	(a)	Explain the advantages and disadvantages of FDM and TDM. Also, give an example for each.	5
	(b)	Write three differences and two similarities between OSI and TCP/IP model.	5
3.	(a)	How does a token ring network work? In what ways is it different from Ethernet?	5
	(b)	What is flow control? How is Selective Repeat better than Go Back N?	5
4.	(a)	What is ISDN? Discuss the services of ISDN.	4
	(b)	Discuss the use of Hub, Bridges, Switches and Gateways in computer networking.	6
5.	Writ	e short notes on the following: $4 \times 2\frac{1}{2} =$:10
	(a)	OSPF	
	(b)	CSMA/CD	
	(c)	Virtual Circuits	
	(4)	Cliding Window Protocol	