## **END TERM EXAMINATION**

FOURTH SEMESTER [BCA] MAY 2017

Paper Code: BCA-210 Subject: Com		Subject: Computer Networks
20000 - 20000 -		Maximum Marks: 75
Note: Attempt any five questions including Q no. 1 which is compulsory.		
Select one question from each unit.		
Q1	<ul> <li>(a) Discuss different types of Network Mode</li> <li>(b) Distinguish between FDM, TDM and W.</li> <li>(c) Describe three Internetworking Devices</li> <li>(d) Discuss design responsibilities of Data</li> <li>(e) What is two-node loop instability problem</li> </ul>	DM. (5) . (5) Link layer of OSI Model. (5)
UNIT-I		
Q2	Describe different technical specification	s of UTP, Coaxial cable and
	Fiber optic cable as transmission media.	(12.5)
Q3	Discuss the following:-	(12.5)
•	(a) DTE-DCE Interface	
	<ul><li>(b) Different types of Transmission Impairs</li><li>(c) Design responsibility of transport layer</li></ul>	
UNIT-II		
Q4	Discuss the following w.r.t error detection (a) Redundancy (b) Hamming Code (c) Checksum	and correction- (12.5)
Q5	Discuss the following w.r.t ISDN- (a) BRI (b) PRI	(12.5)
	(c) Different Reference points	
UNIT-III		
Q6	Explain the algorithm which forms the bas List its advantage and disadvantages.	sis for Distance vector Routing? (12.5)
Q7	What is Classful addressing? Discuss th Subnetting and Supernetting.	e role of Netid, Hostid, Mask, (12.5)
UNIT-IV		
Q8	Discuss responsibilities of Transport lay three-way handshake to establish the com-	
Q9	Explain the functionalities for the following	g:- (12.5)
	<ul><li>(a) Application Layer</li><li>(b) Session Layer</li><li>(c) Presentation Layer</li></ul>	

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