Roll No.				Total No. of Pages: 0

Total No. of Questions: 18

B.Tech.(CSE)/(IT) (2011 Onwards) (Sem.-4)
COMPUTER NETWORKS-I

Subject Code: BTCS-403 M.Code: 56606

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION TO CANDIDATES:

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt ANY FOUR questions.
- 3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt ANY TWO questions.

SECTION-A

Answer briefly:

- 1. Explain in brief about Network Topologies.
- 2. Differentiate between Wired and Wireless Networks.
- 3. What are Advantages and Disadvantages of Infrared wireless transmission?
- 4. Explain in brief the term Noise in reference to transmission impairments.
- 5. Explain the term checksum in reference to error detecting codes.
- 6. Differentiate between TCP and UDP Protocols.
- 7. What is IP addressing? How it is classified?
- 8. Define the term HDLC.
- 9. What do you mean by congestion? Also explain the cause of congestion?
- 10. Explain in brief about the term FTP.

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SECTION-B

11.	Write a brief note on following Differentiate between Circuit Switching, Packet Switch and Message switching.	ning (5)
12.	Write a detailed note on Go-back-N ARQ Sliding window protocol.	(5)
13.	Write a brief note on Network Layer Design Issues.	(5)
14.	Write a detailed note on connection establishment in case of transport Layer.	
15.	Write a brief note on following terms:	
	(a)Domain Name System	(3)
	(b)World Wide Web	(2)
	SECTION-C	
16.	Write a detailed note on TCP/IP reference Model. Also compare TCP/IP and OSI reference model.	rence (10)
17.	(a) Write a brief note on Frequency Division and Time Division Multiplexing technique	es. (5)
	(b)Write a detailed note on ALOHA.	(5)
18.	Write a detailed note on Distance Vector Routing.	(10)

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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