SUBJECT CODE NO:- P-267
FACULTY OF ENGINEERING AND TECHNOLOGY
T.E.(CSE/IT) Examination May/June 2017
Computer Networks - II
(Revised)

[Time: Three Hours]   **[Max.Marks:80]**

Please check whether you have got the right question paper.
N.B   i) Q.No.1 and Q.No.6 are compulsory.
                        ii) Attempt any two questions from Q. No.2 to Q. No.5 and any two questions from Q. No. 7 to Q. No.
                        10 in each section

Section A

Q.1   Attempt any five   10
        a. How many IP addresses are available to a company with class B address?
        b. What is split horizon?
        c. Name the mechanism that can alleviate congestion.
        d. What is choke packet?
        e. What is the definition of bursty data?
        f. List RIP shortcoming and their corresponding fixes.
        g. What is cell switching?
Q.2   a. What is the need of routing algorithm? Explain Distance vector Routing in detail.   08
        b. What is traffic shaping? Explain how token bucket algorithm is better than leaky Bucket algorithm?   07
Q.3   a. Explain any one inter domain routing protocol.   08
        b. How you can measure the performance of the network.   07
Q.4   a. With neat diagram explain ATM layers in detail.   08
        b. Explain different forwarding techniques.   07
Q.5   Write short note on (Any three)   15
        a. IGRP
        b. Internetworking
        c. Integrated services
        d. Traffic profiles
        e. LAN emulation

Section-B
Q.6   Attempt any five   10
        a. Define process to process delivery.
        b. List out transport layer protocols.
        c. What is IANA?
        d. What is the difference between primary server and a secondary server?
        e. What is the prime responsibility of application layer?
        f. Why there is a need of DNS?
        g. SNMP is which layer protocol?
Q.7   a. Compare TCP and SCTP in detail.   08
        b. What is resolution? Explain address resolution mechanism in the internet.   07
Q.8   a. Draw neat labelled diagram of UDP header and explain in detail.   08
        b. Explain DNS in detail.   07
Q.9   a. Explain half close connection in TCP protocol by drawing neat labelled diagram.   08

2017

     b. What are the function of network management system?   07

Q.10   Write short note on (Any three)   15
     a. Socket programming
     b. RTO
     c. Socket address
     d. E-mail
     e. H.323

2017