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SUBJECT CODE NO: H-161
FACULTY OF ENGINEERING AND TECHNOLOGY
T.E. (CSE/IT)
Computer Networks - II
(REVISED)

[Time: Three Hours]

[Max.Marks: 80]

N.B Please check whether you have got the right question paper.

- i) Q.No.1 from section A and Q.No.6 from section B are compulsory.
 ii) Attempt any two questions from the remaining questions in each section.

SECTION -A

- Q.1 Attempt any five questions. 10
- Discuss the error control and flow control services of network layer.
 - What is IP address? List the classes of IP address.
 - What is traffic shaping?
 - What is QoS?
 - What is RSVP?
 - What is expedited forwarding?
 - What is packet fragmentation?
- Q.2 a. Explain network address translation in detail. 07
 b. What are the different integrated services? Explain in detail. 08
- Q.3 a. Explain congestion control in detail. 07
 b. Explain ATM LAN architecture. 08
- Q.4 a. Explain count-infinity problem in DVR. 07
 b. Explain leaky bucket congestion control algorithm with its disadvantages. 08
- Q.5 Write short note on any three. 15
- OSPF
 - Data traffic
 - Client server model.
 - Scheduling.

SECTION -B

- Q.6 Attempt any five questions. 10
- What is node to node delivery?
 - What is the role of mail transfer agent in TCP?
 - What is the sequence number in TCP segment?
 - What is remote logging?
 - Write RTP message types.
 - Write primitives of simple transport service.
 - Which protocol is used for email?

- Q.7 a. Explain stream control transmission protocol in detail. 07
b. Explain resolution of DNS messages. 08

- Q.8 a. Explain session initiation protocol (SIP) in detail. 07
b. What is UDP? How it is different than TCP/IP? 08

- Q.9 a. What is name space? Explain flat name space and hierarchical name space. 07
b. Explain real time transport protocol in detail. 08

- Q.10 Write a short notes on any three. 15
 - a. Connection oriented services.
 - b. Electronic mail.
 - c. Process to process delivery
 - d. Types of record.