

**SUBJECT CODE :- K-74**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T.E.(CSE/IT) Examination Nov/Dec 2015**  
**Computer Networks - II**  
**(Revised)**

[Time: Three Hours]

[Max. Marks: 80]

“Please check whether you have got the right question paper.”

N.B i) Question no. 1 and 6 are compulsory.

ii) Attempt any two questions from the remaining in each section.

Section – A

- Q1. Attempt any five questions. 10
- a) Which networking device works on network layer?
  - b) Difference between direct and indirect delivery.
  - c) What are traffic profile?
  - d) What is congestion? Why congestion occurs?
  - e) Enlist congestion control open loop policies
  - f) What is AAL 5?
  - g) Difference between UNICell and NNI ell
- Q.2 a) Explain distance vector routing in detail. 07  
b) Explain leaky Bucket algorithm in detail. 08
- Q.3 a) Discuss various network layer design issues. 07  
b) Discuss the architecture of ATM network. 08
- Q.4 a) What are the reasons for using layered protocols? 07  
b) What are the different techniques to improve QOS? 08
- Q.5 Write short notes on any three 15
- a) Congestion control
  - b) Integrated services
  - c) Inter-networking
  - d) BGP
  - e) BECN

Section – B

- Q.6 Attempt any five questions. 10
- a) What is hop to hop delivery?
  - b) What is socket address?
  - c) What is DDNS?
  - d) What is telnet?
  - e) What is SIM?
  - f) What is UDP?
  - g) What is encapsulation?
- Q.7 a) What is half close condition in TCP? Explain in detail. 07  
b) Difference between hierarchical name space and flat name space. 08

Q.8	a) Draw with neat labeled diagram of UDP packet?	07
	b) What is resolution and explain different types of resolutions.	08
Q.9	a) Compare TCP and SCTP.	07
	b) Why do we need POP 3 or IMAP 4 for accessing electronic mail?	08
Q.10	Write short notes on any three.	15
	a) FQDN	
	b) E-mail	
	c) Socket programming	
	d) H. 323	
	e) Flow control in TCP.	