

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

Ph.D in Faculty of Engineering (ECE)

INTERNET WORKING

M.Code : 77371

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT question.
2. Each question carry TWENTY marks.

1. a) How physical components and their functional is organized in Internet Architecture?
b) Discuss point to point and switched WANs.
2. a) By taking an suitable example show the concept of sub netting and super netting of IP Address?
b) Explain the working of RARP with its packet format.
3. a) What are TCP services and TCP connections in Internetworking?
b) Discuss the concept of flow control and error control in transmission.
4. What is Mobile IP? How it allow mobile device users to move from one network to another while maintaining a permanent IP address?
5. Define Multicasting. Explain applications of Multicast routing. Discuss in detail the DVMRP protocol.
6. a) Discuss the techniques of audio and video compression.
b) Explain RTP with its packet header.
7. What is FTP? What are the different types of connections used in FTP? Explain the communication process used in FTP.
8. Define following :
 - a) Firewalls
 - b) Network Virtual Terminal

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.