

- 3** Answer any **two** : **14**
- (1) "ICMP has been designed to remove deficiencies of IP." Is the statement correct? Justify your answer.
 - (2) Explain in brief : netstat, ping, telnet, traceroute
 - (3) In reference to IP datagram options, list different categories of option? Explain in detail one from each categories?
- 4** Answer any **two** : **14**
- (1) Give the format of TCP segment and describe its fields.
 - (2) What are the similarities and differences between TCP and UDP? List uses of UDP. What are advantages and disadvantages of UDP over TCP? Why pseudo header is used in UDP? Which feature of UDP is not supported in TCP? Give three examples of protocols that user UDP.
 - (3) Explain in brief TCP timers?
- 5** Answer any **two** : **14**
- (1) Discuss in brief unicast routing protocols.
 - (2) What is resolver? Explain in brief different resolution method used in DNS?
 - (3) Explain in brief BOOTP?
-