

Duration: 3 Hours

[Max Marks:80]

- N.B. : (1) Question No 1 is Compulsory.
(2) Attempt any three questions out of the remaining five.
(3) All questions carry equal marks.
(4) Assume suitable data, if required and state it clearly.

- 1 Attempt any FOUR **[20]**
 - a What is a proxy firewall? Explain.
 - b Explain with diagram DWDM.
 - c Explain flooding in routing protocol.
 - d Explain Network security safeguards.
 - e Write a short note on RTP.
 - 2 a Explain the different IEEE 802.11 services. **[10]**
b List the advantages and disadvantages of optical networking. Draw and explain the frame format of SONET. **[10]**
 - 3 a Compare all ATM adaptation layers: AAL1, AAL2, AAL3/4 and AAL5 **[10]**
b What is Intradomain and Interdomain Routing? Explain RIP in detail **[10]**
 - 4 a Explain Multicast routing in detail. **[10]**
b Write a note on NAT, SNAT and DNAT. **[10]**
 - 5 a Write a short note on CSMA/CA. **[10]**
b what is need of compression? explain different compression techniques in detail. **[10]**
 - 6 a Compare Ubiquitous and Hierarchical Access and explain the steps for completing the access network design in detail. **[10]**
b Explain in detail the architecture of H.323. **[10]**
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