

Con. 3485-11.

(REVISED COURSE)

RK-2632

(3 Hours)

[Total Marks : 100

- N.B. :** (1) Question No. 1 is compulsory.
 (2) Attempt any **four** questions from the remaining.
 (3) Draw **neat diagrams** wherever required.

1. (a) Explain TCP/IP Protocol suite. (10)
- (b) Explain different traffic descriptors used in ATM. (05)
- (c) Explain the naming scheme used in SNMP. (05)
2. (a) Explain the SONET frame structure. (10)
- (b) Explain the functions of ATM adaptation layer. Explain in detail AAL1 and AAL2 layers. (10)
3. (a) Compare unicast routing Protocols OSPF and RIP. Explain RIP in detail. (10)
- (b) What is RTP? Explain RTP format in detail. (10)
4. (a) What is SNMP? Explain SNMP PDU format and messages. (10)
- (b) What are different Multicast routing protocols? Explain DVMRP in detail. (10)
5. (a) Describe different delay components in communications network. (10)

(b) Explain different QOS parameters in case of ATM. (10)

6. (a) Explain Network Address Translation. Discuss SNAT and DNAT. (10)

(b) Explain the working of networking components such as Repeaters, hubs, bridges, switches, routers and gateways. (10)

7. Write short notes on: (any two) (20)

(a) IP over ATM.

(b) Multi Protocol Label Switching.(MPLS)

(c) X.25.

(d) MIB.
