

Note1) Q1 is compulsory .Answer any three from remaining questions

2) All questions carry equal mark

Q1. Answer any four 20

- (a) Write a short note on Intrusion Detection Systems
- (b) Draw and Explain the IEEE820.15.4 PHY packet structure.
- (c) Write a short note on virtual private network
- (d) With the respect to network management explain the OAMP
- (e) Draw and Explain the ATM cell Format

Q2. (a) Explain ATM adaptation layer with respect to service and protocol 20

(b) Explain the DWDM technology in detail, with a neat schematic diagram of DWDM architecture .

Q3 (a) Explain in detail Access layer Design . 20

(b) Draw and Explain the IEEE802.15.4 LR WPAN device architecture

Q4 (a) Draw and Explain frame format of frame relay and address fields how it provides congestion control and quality of service 20

b) Explain Network Security Safeguards in detail

Q5(a) What is Firewall ? What are the capabilities and limitation of firewall?
Discuss the different types of firewall 20

(b) Write a short note on SNMP.

Q6(a) Write a short note on DMZ and Transparent Proxy 20

(b) Draw and Explain the frame format of STS -1
