

- 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.

Attempt any 4 Questions in Q.1

	Marks
Q1 a) Describe TCP/IP protocol suite.	5
b) Compare SSH and TELNET.	5
c) Explain IP security in internet communication?	5
d) Describe different types video standards.	5
e) Describe Integrated service model used for QoS.	5
f) Explain the role of IoT in internet communication?	5
Q2 a) Describe function of application layer in TCP/IP also brief different protocol used in it.	10
b) Explain working of SMTP protocol.	10
Q3 a) Explain the types of intrusion detection system.	10
b) Describe HTTP and its messages.	10
Q4 a) Explain JPEG for audio compression in detail with suitable block diagram.	10
b) Explain RSVP with it's different messages?	10
Q5 a) State different service models used for QoS.Explain any one in detail.	10
b) Define IoT? State and Explain characteristics of IOT.	10
Q6 a) Describe network automation and its need.	10
b) Describe the term: 1) VoIP	5*2
2) VPN	
