Time : 3 Hours]   *[Max. Marks : 100*
Note. *Attempt any **five** questions. All questions carry equal marks.*

Q. 1. What is OSI Reference Model? Describe all layers of OSI Reference Model.

Q. 2. Describe the Gigabit Ethernet and its set of standards in detail.

Q. 3. Write short notes on the following:
(a) IPv6 (b) 6Bone (c) Routing

Q. 4. Describe the mobility in network. What is the need for security in mobile?

Q5: Describe flow based and broadcast routing?

Q6: What do you understand by Congestion control and Preventation Policies?

Q7: Write short note on service are provided by Transport Layers?

Q8: What is Framing static and dynamic channel allocation in LAN and MAN's?