

N.B. (1) Question No.1 Compulsory

(2) Solve any three from the remaining questions

- 1.** Attempt the following **20**
 - (a) Compare IPV4 and IPV6 based NGN
 - (b) What are the key features of NGN?
 - (c) Explain QOS in NGN. How it is different then QOE?
 - (d) Why we need MPLS?

- 2.** (a) Draw IPTV architecture and explain it in detail. **10**
(b) Explain cognitive radio with its types. **10**

- 3.** (a) Explain Fixed mobile convergence (FMC) in NGN. **10**
(b) Explain AAA scheme in NGN. **10**

- 4.** (a) What are the ID's used in TISPAN NGN? How NGN ID's are administered? **10**
(b) Explain migration of PSTN networks to NGN. **10**

- 5.** (a) Explain packet flow through the network in MPLS based VPN. **10**
(b) What are factors which act as drivers towards NGN? **10**

- 6.** Write short note on(**any two**) **20**
 - (a) FTTH
 - (b) EVDO
 - (c) NGN Evolution
 - (d) VOIP
