

[3 hours]

[Marks: 80]

- a) Question No. 1 is compulsory
- b) Attempt **any three** from the remaining six questions
- c) Assumptions should be made whenever required and should be clearly stated
- d) Answers to sub questions should be answered together
- e) Illustrate answers with diagrams wherever necessary
- f) Use of Calculators is permitted

- Q1 A Discuss the Architecture of NGN Based IPTV 10
- B Discuss the importance of various next generation networks 10
- Q2 A Discuss in brief the technologies influencing the migration from circuit switching to Packet switching environment 10
- B What is VPN? Explain the architecture 10
- Q3 A Explain the various services provided by the IMS 10
- B Analyze the LTE Technology 10
- Q4 A What is High Definition? Explain in brief the 3 D television services 10
- B What is VoIP. Discuss the architecture of the VoIP 10
- Q5 A Explain the various Wireline NG Technologies 10
- B Discuss the naming and the addressing mechanism used in the NGN 10
- Q6 A Write short notes on **any four** of the following 20
- 1. HBB-NEXT
 - 2. QoS in MPLS
 - 3. Multimedia Services
 - 4. Next Generation Society
 - 5. ZigBee
