

[ 3 hours ]

[Marks: 80]

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

- Q1 A Discuss the importance of various next generation networks 10
- B Analyze the LTE Technology 10
- Q2 A What is VoIP. Discuss the architecture of the VoIP 10
- B What is High Definition? Explain in brief the 3 D television services 10
- Q3 A Explain the building blocks of the NGN 10
- B Discuss the Architecture of NGN Based IPTV 10
- Q4 A Explain the various Wireline NG Technologies 10
- B What is VPN? Explain the architecture 10
- Q5 A Explain the various services provided by the IMS 10
- B Explain the QoS provided using the MPLS 10
- Q6 Write short notes on **any four** of the following 20
- HBB-NEXT
  - QoS in MPLS
  - Multimedia Services
  - Next Generation Society
  - ZigBee

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