

N.B.

- i) Question no.1 is compulsory
 ii) Solve any three from the remaining questions

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| 1A | Define NGN and mention the key features of NGN | 5 |
| B | Compare the role of IPV4 and IPV6 in NGN. | 5 |
| C | Explain QOE in NGN. | 5 |
| D | Explain the role of SIP in VOIP. | 5 |
| 2A | How MPLS packet routing is different from traditional packet routing. Give the Concept of VPN . | 10 |
| B | What are the major threats to Telecom Industry? | 10 |
| 3A | Analyse the concept of SDR and Cognitive Radio. | 10 |
| B | Explain the concept of IOT with an example. | 10 |
| 4A | Explain the naming, numbering & addressing schemes in NGN. | 10 |
| B | What are the IDs used in TISpan, NGN? How are NGN IDs administered? | 10 |
| 5A | Explain the mobile IPTV service with challenges & applications. | 10 |
| B | Describe the NGN security mechanisms covering AAA. | 10 |
| 6 | Write notes on [any two] | 20 |
| | a) FMC b) migration of PSTN to NGN c) Diameter protocol d) IMS | |
