

Duration: 3hrs

[Max Marks:80]

- N.B. : (1) Question No 1 is Compulsory.
(2) Attempt any three questions out of the remaining five.
(3) All questions carry equal marks.
(4) Assume suitable data, if required and state it clearly.

- | | | |
|---|--|-------------|
| 1 | Attempt any FOUR | [20] |
| | a Explain different types of Antenna used in mobile communication. | 5 |
| | b What is co-channel interference? | 5 |
| | c What is reverse tunneling? | 5 |
| | d Describe use of Cellular IP. | 5 |
| | e Compare various Telecommunication Generations | 5 |
| 2 | a Explain protocol architecture of WLAN and its different types. | [10] |
| | b What is the use of different interfaces used in the global system for mobile communication (GSM) with appropriate diagram? | [10] |
| 3 | a What are different security algorithms used in GSM? | [10] |
| | b How is packet delivery achieved to and from mobile nodes? | [10] |
| 4 | a Explain Wireless LAN threats. | [10] |
| | b What is the responsibility of MAC management in IEEE 802.11? | [10] |
| 5 | a Explain selective retransmission process at TCP. | [10] |
| | b Explain self-organizing networks (SON) for heterogeneous Networks. | [10] |
| 6 | a Explain agent registration process in mobile communication. | [10] |
| | b What is micro mobility and its approaches? | [10] |
