



**SECTION - B (25 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 5 = 25)

- 11 a Describe the frequency reuse concept.  
OR  
b Narrate the cell splitting procedure.
- 12 a Enumerate the point on CDMA Technique used in wireless communications.  
OR  
b Outline the concept of FDMA technique.
- 13 a Elucidate the authentication and security of GSM.  
OR  
b Summarize about the radio subsystem in GSM.
- 14 a Analyze the mobility management of GPRS.  
OR  
b Write the applications of GPRS.
- 15 a State the process involved in UMTS handover.  
OR  
b Organize the important features of UMTS interfaces.

**SECTION - C (40 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 8 = 40)

- 16 a Justify the functional block of cell structure.  
OR  
b Highlight the importance of antennas in mobile communications.
- 17 a Summarize the TDM scheme.  
OR  
b Examine the SDMA principles and operations.
- 18 a Elucidate the GSM architecture operation.  
OR  
b Enumerate the Channel organization of GSM.
- 19 a Point out the GPRS network architecture in detail.  
OR  
b Enumerate the GPRS location management procedure.
- 20 a Infer about the UMTS architecture.  
OR  
b Summarize the usage of UMTS channels

Z-Z-Z

END