

V63/T04082/EE/2016

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) Write short note on cellphone transmitter. 5
 - b) Write short note on overview of wireless communication system. 5
 - c) Explain cordless telephone system. 5
 - d) Explain various types of wireless system. 5
 - e) Explain Cellular Telephone Call Making Procedure. 5

2. Solve any **four** sub-questions.
 - a) Explain concept of basic cellular system. 5
 - b) Explain functions of MTSO. 5
 - c) Write short note on Frequency reuse schemes. 5
 - d) Explain channel planning for wireless system. 5
 - e) Write short note on handoff strategies. 5

3. Solve any **four** sub-questions.
- a) Write short note on output power control in CDMA. 5
 - b) Draw and explain protocol architecture of SS7. 5
 - c) Explain GSM radio subsystem. 5
 - d) Explain IS-95 forward and reverse traffic channel modulation parameters. 5
 - e) Compare GSM and IS-95 system. 5
4. Solve any **four** sub-questions.
- a) Write short note on voice-channel blockage. 5
 - b) Explain applications of Mobile Adhoc Network (MANET). 5
 - c) Write short note on LMDS (Local Multipoint Distribution). 5
 - d) Explain features of W-CDMA(UMTS). 5
 - e) Explain 3G wireless system. 5

