

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (ECE) (2012 to 2017) (Sem.-6)
WIRELESS COMMUNICATION SYSTEM
Subject Code : BTEC-602
M.Code : 71122

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A**Answer briefly :**

1. What do you mean by forward and reverse channel?
2. What is foot print?
3. What is frequency selective fading?
4. What are IMSI and TMSI?
5. Differentiate hard and soft hand off.
6. What are frequencies used in forward and reverse link in IS-95?
7. What is Bluetooth?
8. Write some third generation wireless standards.
9. What is near-far effect in wireless network?
10. What is adjacent channel interference?

SECTION-B

11. Compare FDMA, TDMA & CDMA.
12. Describe in detail about the history of development of Paging and the future Trends of paging systems.
13. Explain in detail about GSM architecture with suitable diagram.
14. Explain about types of small scale fading.
15. Write short notes on cordless telephone systems.

SECTION-C

16. Explain about IS-95 with a neat diagram.
17. Explain the diversity techniques in detail.
18. Explain Spread-spectrum Technology.

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.