

Roll No.

24440

**B. Tech. (ECE) 7th Semester (Re-appear)
Examination – October, 2020**

WIRELESS COMMUNICATION

Paper : ECE 405 F

Time : 1.45 Hours]

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note: Attempt any *three* questions. All questions carry equal marks.

1. Explain different terms in wireless communication.

- (i) GPRS
- (ii) Pager
- (iii) GOS
- (iv) MSC
- (v) Interference

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- (vi) Modulation
- (vii) Packet radio
- (viii) Handoff
2. (a) Write short note on Paging system, cordless & cellular system ?
- (b) How a call is made in a cellular system from land line to Mobile phone ?
3. Elaborate different generations of wireless communication ?
4. (a) What do you understand by frequency runs & What is its significance ?
- (b) What do you understand by handoff ? Explain different handoff strategies ?
5. Explain different techniques by which we can improve coverage and capacity of a cellular system ?
6. Elaborate different multiple Access techniques in detail.
7. Elaborate ISDN in detail ?
8. Elaborate GSM in detail ?
9. What do you understand by intelligent call concept & explain its significance & application ?
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