

(Please write your Exam Roll No.)

Exam Roll No.

FIRST TERM EXAMINATION

SEVENTH SEMESTER [B.TECH] OCTOBER 2020

Paper Code: ETEC-405

Subject: Wireless Communication

Time: 1.5 Hour

Maximum Marks: 30

Note: Attempt three questions including Q. no. 1 which is compulsory.

Q1 .

(2x5 = 10 marks)

- (a) Describe the evolution of first generation cellular systems?
- (b) What are design issue for a wireless network?
- (c) Write the advantages of wireless communication systems?
- (d) Explain the code division multiple access technique?
- (e) Explain about the PCS architecture.

Q2 .

- (a) Explain the generations of wireless communication system **(6 marks)**
- (b) Explain call hand-off process? **(4 marks)**

Q3.

- (a) Explain the difference between FDMA, TDMA and CDMA? **(5 marks)**
- (b) What is fading, Explain the types of fading? **(5 marks)**

Q4.

- (a) Draw and explain GSM architecture? **(6 marks)**
- (b) Define PN sequence? **(4 marks)**