

GITAM (Deemed to be University)
GST/GSS/GSB/GSHSS Degree Examination
IV/ VI/ VIII Semester
EECE2141 : TELECOMMUNICATIONS FOR SOCIETY

Time: 2 Hours

Max. Marks: 30

Instruction: All parts of the unit must be answered in one place only.

Section - A

- 1. Answer all questions** **(5x1=05)**
- a. What does PSTN stand for?
 - b. What is TCP?
 - c. State the two types of modulation used with UWB
 - d. What is the frequency range of the optical spectrum?
 - e. What is the purpose of a satellite ground station?

Section - B

Answer the following **(5x5=25)**

UNIT - I

2. Explain the process of a telephone call, from the caller picking up the handset to the ringing of the called party's phone.

OR

3. Explain the operation of a facsimile with a neat block diagram.

UNIT - II

4. Explain about 2G, 3G digital cell phone systems?

OR

5. Write about GPS and NFC?

UNIT - III

6. Analyze the advantages and limitations of different wireless technologies.

OR

7. Explain how a mesh network increases the transmission range and reliability.

UNIT - IV

8. Explain the working of the PIN diode as a detector.

OR

9. Explain the concept of Wavelength division multiplexing?

UNIT - V

10. What is the primary purpose of GNSS?

OR

11. What are different types of satellites and write their functions clearly.