

S.B. Roll No.....

**COMMUNICATION SYSTEM**  
**4<sup>th</sup> Exam/ECE/6561/Feb'2021**  
**(For 2018 Batch Onwards)**

**Duration: 1.15Hrs.**

**M.Marks:25**

**SECTION-A**

**Q1. Attempt any three questions.**

**3x5=15**

- i. Explain Satellite communication system with block diagram.
- ii. Explain the characteristics of radio receiver.
- iii. What is Geo-stationary satellite?
- iv. Explain the pre-emphasis and de-emphasis.
- v. Explain TRF radio receiver.
- vi. Define radiation pattern of an antenna? How is it plotted?

**SECTION-B**

**Q2. Attempt any one question.**

**1x10=10**

- a. Explain the low level modulated AM transmitter and high level modulated AM transmitter.
- b. Give the comparison of ground, sky and space wave propagation.
- c. Discuss the construction, characteristics, advantages, disadvantages and application of Yagi-Uda Antenna.
- d. What is FM receiver? Explain the working of super heterodyne receiver with diagram.