

S.B. Roll No.....

COMMUNICATION SYSTEM
4th Exam/ECE/6561/Jan'2022
(FOR 2018 BATCH ONWARDS)

Duration: 1.15Hrs.

M.Marks:25

SECTION-A

Q1. Attempt any three questions.

3x5=15

- a. Explain isotropic radiator with diagram.
- b. Define the following: i) S/N ratio ii) Sensitivity iii) Fidelity
- c. Write short note on duct propagation.
- d. What are the functions of antenna?
- e. Explain the working of AM transmitter.
- f. Give comparison of ground, sky and space wave propagation.
- g. What are the selection criteria for intermediate frequency?

SECTION-B

Q2. Attempt any one question.

1x10=10

- i. Give construction, characteristics, advantage, disadvantage and applications of Dish antenna.
- ii. Draw and explain block diagram of super-heterodyne radio receiver.
- iii. Describe the satellite link system using a block diagram.
- iv. Write Short note on:
 - a. Geo-stationary Satellite
 - b. Dipole antenna
 - c. Armstrong method