

213

Register No.:

November 2022

Time - Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B each question carries 14 marks.]

PART - A

1. Define RADAR.
2. Define cordless phone.
3. Define semi duplex and full duplex connection.
4. Define odd parity and even parity.
5. Mention any two advantages of optical fiber.
6. Define fiber optical receiver.
7. Define satellite Communication.
8. Write about earth eclipse.
9. What is AMPS?
10. Define micro cells.

[Turn over.....

PART - B

11. (a) (i) Explain the concept of Radar.
(ii) Draw the Block diagram of pulsed radar.

(Or)

- (b) (i) State the features of ISDN
(ii) Mention the three important display methods used in radar.

12. (a) Draw a neat block diagram of digital communication system and explain.

(Or)

- (b) Explain the block diagram and operation of FSK modulation and demodulation techniques.

13. (a) Describe about the principle of light transmission through fiber using ray theory.

(Or)

- (b) Explain networking, industry and military applications in optical fibers.

14. (a) Explain microwave link repeater with block diagram.

(Or)

- (b) (i) Explain inclined elliptical orbit & circular polar orbit.
(ii) Write the types of orbits.

15. (a) Explain the simplified cellular system.

(Or)

- (b) Draw the architecture of GSM system and explain its operation.
