

ELECTRONIC COMMUNICATION - II

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks

(10 x 2 = 20)

- 1 What are the types of TV standards?
- 2 Differentiate : LED and LCD TV.
- 3 What is DTH?
- 4 Define aspect ratio.
- 5 Write the basic mechanism of 3D TV.
- 6 Define TV monochrome.
- 7 Define optical safety networking.
- 8 What is dispersion?
- 9 Define radio subsystem.
- 10 What is GSM channel?

SECTION - B (25 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Explain scanning and its types.
OR
b Give a short notes on DTH.
- 12 a What are the techniques involved in multiplexing techniques of satellite communication.
OR
b Draw the neat sketch of MSAT system.
- 13 a Briefly explain modulators of radar systems.
OR
b What are the factors that influencing maximum range of radar system?
- 14 a Give a short notes on modes of fiber optic communication.
OR
b Differentiate the optical components of fibre optic communication.
- 15 a Give a short notes on radio subsystem of digital cellular system.
OR
b Briefly explain the organization of GSM channel.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Draw monochrome TV transmitter and receiver block.
- 17 Discuss the terms of merits and satellite line budget analysis.
- 18 Explain the process cabling and construction of fiber optic communication.
- 19 Discuss the terms modulator and receiver bandwidth requirements of radar system.
- 20 Explain GSM call setup procedure.