

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2018
(Sixth Semester)

Branch - ELECTRONICS

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 is TV Receiver?
- 2 List the types of scanning.
- 3 Write few lines about GPS.
- 4 Define VSAT.
- 5 Write the Radar range equation.
- 6 What is automatic target detection.
- 7 Give few lines for dispersion.
- 8 What do you mean by cabling?
- 9 Define GSM.
- 10 Write two call setup sequence in GSM.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Give an account on TV standards.
OR
b Narrate about the plasma TV.
- 12 a Define the azimuth and elevation calculations.
OR
b Describe the satellite radio.
- 13 a Enumerate the pulsed Radar system.
OR
b Elucidate the antenna scanning scheme.
- 14 a Narrate the optical components of Fiber.
OR
b Give an account on Fiber connection.
- 15 a Draw the block diagram of operation subsystem and explain .
OR
Enumerate the multiple access scheme with suitable example.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Draw the monochrome TV transmitter block diagram and explain its operation.
- 17 Narrate the earth station distance to and from the satellite.
- 18 Describe the Display methods in Radar.
- 19 Give an account on nature of light.
- 20 Draw the block diagram of GSM architecture and explain each block in it.

Z-Z-Z

END