

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION JUNE 2014
(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 PIF and SIF in TV?
- 2 Define charge image.
- 3 Define purity and convergence.
- 4 Define sound strip.
- 5 Define sequential lobing.
- 6 List the types of RADAR.
- 7 Expand TRAU.
- 8 What are the two functions of SMS?
- 9 Define cone of acceptance.
- 10 What is the frequency limit of copper wire?

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Explain the vestigial sideband transmission.
OR
b Discuss in detail the scanning.
- 12 a Discuss in detail the colour difference signals.
OR
b Explain briefly the weighting factor.
- 13 a With neat diagram and description of pulsed Radar system.
OR
b Write short notes on Display methods.
- 14 a Explain the channel coding and interleaving.
OR
b Explain the mobility management.
- 15 a In detail about Graded index cables.
OR
b Write short notes on connectors.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Describe the functions of monochrome Transmitter block diagram with neat sketch.
- 17 Describe the function PALD colour system with neat sketch.
- 18 Write short note on the following
i) Antenna tracking ii) Antenna scanning (5 + 5)
- 19 Write short note on the following: (5 + 5)
i) Communication management
ii) Base station subsystem
- 20 Explain the following : (5 + 5)
i) Numerical aperture
ii) Graded index cables

Z-Z-Z

END