11ELU26

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 vestigal 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) Granded index cables

Z-Z-Z END