PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2017
(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 (1 0 x 2 = 20)

1   What is DTH?
2   Define Aspect ratio.
3   What is Earth station?
4   Define MSAT.
5   What is noise?
6   Write pulse characteristics of Radar system.
7   Define nature of light.
8   What is Splicing?
9 * Abberivate GSM.
10   What is GSM Network?

SECTION - B (25 Marks)
Answer ALL Questions
ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

11 a Give a short notes on 3color theory and its properties.
                              OR
   b Briefly explain composite video signal with diagram.

12 a What are techniques involved in multiplexing of satellite communication.
                              OR
   b Give a short notes on satellite line budjet.

13 a Give a brief notes on antenna tracking.

                              OR
   b What are process involved in automatic target detection?

14 a Give a short notes on system design and operational issues of satellite
       communication.
                              OR
   b Describe fibre connection and splicing with neat diagram.

15 a Give a short notes on GSM Air interface with block diagram.
                              OR
   b Give brief notes on network switching subsystem of digital cellular
       system.

SECTION - C (30 Marks!
Answer any **THREE** Questions
ALL Questions Carry **EQUAL** Marks (3 x 1 0 = 30)

16   Explain digital T.V System with neat diagram.

17   Describe multiplexing techniques of Satellite communication.

18   Explain Rader range equation with suitable derivation.

19   Describe optical networking of fibre optic communication.

20   Explain GSM network architecture with neat block diagram.