

Roll No.

2602

B.E. (8th Sem.) (ECE)

Examination, December, 2013

SATELLITE COMMUNICATION ENGG.

'E' Scheme

Paper : EE-404E

Time : Three hours]

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any *five* questions. All questions carry equal marks.

1. (a) Explain the working of VSAT. 10
(b) Describe BDS in detail. 10
2. (a) What are Eclipse effect ? Explain. 10
(b) Explain the parameter satellite stabilization. 10
3. (a) Compare TDMA with FDMA. 10
(b) What is beam hopping concept ? 10

4. (a) What are the elements of digital satellite communication ? 10
- (b) Explain satellite digital link design. 10
5. (a) Explain single channel per carrier systems. 10
- (b) Explain various FDM techniques. 10
6. (a) What are general link design equations ? 10
- (b) Explain Earth Station parameters. 10
7. (a) Compare Active and passive satellite. 10
- (b) Define applications of Satellite communication. 10
8. Write short notes on : 20
- (a) MSAT
- (b) CSSB