B. Tech. 7th Semester (ECE) Examination, December-2015

SATELLITE COMMUNICATION

Paper-ECE-403-F

| Time | allov | wed: 3 hours] [Maximum marks: 100 |
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| Note | | uestion No. I is compulsory and attempt any one uestion from each section. |
| 1. | Writ | te short notes on the following: 20 |
| | (a) | G/T ratio (b) FDM systems |
| | (c) | Eclipse effect (d) BDS. |
| | | Section-A |
| 2. | (a) | Write various Applications of satellite communication. |
| | (b) | Explain various Earth Station parameters. 10 |
| 3. | (a) | What is the difference between Active and passive satellite. 10 |
| | (b) | What are advantages of satellite communication. 10 |
| | | Section-B |
| 4. | (a) | What are inter modulation products and their effects in FM/FDM systems. 10 |
| | (b) | Explain elements of digital satellite communication system. 10 |

fiber optic communication.

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