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Manipal Institute of Technology, Manipal

(A Constituent Institute of Manipal University)



III SEMESTER B.TECH (PRINT AND MEDIA TECHNOLOGY)

MAKE-UP EXAMINATIONS, DEC 2015 – JAN 2016

SUBJECT: Fundamentals of Electronic Media [PMT 2105]

REVISED CREDIT SYSTEM

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitable assumed.

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| 1A. | What are the 3 segments of GPS? Explain the working of GPS. | 03 |
| 1B. | Explain any 4 types of antennas. | 03 |
| 1C. | With a diagram explain chroma subsampling in video. | 04 |
| 2A. | Explain the types of equipment found at a radio studio. | 03 |
| 2B. | What are the applications of GIS? What are the data required to create GIS? | 03 |
| 2C. | Explain the different equipment used for cable laying. | 04 |
| 3A. | Explain the 6 terminologies used in video. | 03 |
| 3B. | What are the characteristics of a satellite placed in a geo synchronies orbit?
Explain the factors that affect its communication. | 03 |
| 3C. | Explain the different types of internet connections available. | 04 |
| 4A. | What are translators? What is their importance? | 03 |
| 4B. | What are transmitter remote controls? Explain their types. | 03 |
| 4C. | Explain the elements based on which the RS interprets data? | 04 |
| 5A. | What is IT? What are its functions? | 03 |
| 5B. | What is analog television? Explain the formats used in analog television broadcasting. | 03 |
| 5C. | Draw and explain the honey comb structure of a social media framework. | 04 |