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MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
(A constituent unit of MAHE, Manipal)

III SEMESTER B.TECH. (PRINT AND MEDIA TECHNOLOGY)

END SEMESTER EXAMINATIONS, NOV 2018

SUBJECT: Fundamentals of Electronic Media [PMT 2105]

**REVISED CREDIT SYSTEM
 (27/11/2018)**

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

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

- 1A.** Explain the following medias used for broadcasting:
- a. Telephone b. Radio c. Television
- 1B.** Explain the working of NTSC transmission.
- 1C.** Define cloud storage. Explain techniques used by companies to secure data saved on cloud servers.
- [03 + 03 + 04]**
- 2A.** List the advantages and disadvantages of submarine communication cable.
- 2B.** Explain the steps used in setting up a computer network.
- 2C.** Give the difference between AM & FM radio.
- [04 + 04 + 02]**
- 3A.** List the advantages and disadvantages of social media.
- 3B.** Explain following computer networking hardware:
- a. Hub b. Gateway c. Switch d. Bridge
- 3C.** Define a. Communication satellite b. Footprint
 following: c. Uplink d. Downlink
- [04 + 04 + 02]**

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4A. Explain the following types of antennas:

- a. Monopole b. Loop c. Yagi

4B. Explain the broadcasting process of satellite TV.

4C. Explain the following characteristics of data storage:

- a. Volatility b. Accessibility c. Performance d. Capacity

[03 + 03 + 04]

5A. Define GPS. Explain the working of GPS system

5B. With the help of neat labelled diagram explain the working of CRT TV.

5C. Explain the types of hosting services.

[04 + 03 + 03]