

Reg. No.									
----------	--	--	--	--	--	--	--	--	--



MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

A Constituent Institution of Manipal University

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

END SEMESTER EXAMINATIONS, NOV/DEC 2016

SUBJECT: FUNDAMENTALS OF ELECTRONIC MEDIA [PMT 2105]

**REVISED CREDIT SYSTEM
(30/11/2016)**

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

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

1A. Explain the inter frame prediction process used in video compression.

1B. Explain the steps used in setting up a computer network.

1C. Explain the submarine cable laying operation.

[03 + 04 + 03]

2A. Explain the following characteristics of data storage.

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

2B. Explain the following types of antennas:

- | | | |
|-------------|---------|---------|
| a. Monopole | b. Loop | c. Yagi |
|-------------|---------|---------|

2C. With the help of a diagram explain how sound waves are created.

[04 + 03 + 03]

3A. Explain the components of communication satellite.

3B. Explain the broadcasting process of a satellite TV.

3C. Explain the following types of computer network based on network size.

- | | | | |
|--------|--------|--------|--------|
| a. LAN | b. MAN | c. CAN | d. HAN |
|--------|--------|--------|--------|

[03 + 03 + 04]

4A. What is scanning? Explain its types and list their advantages and disadvantages.

4B. With the help of a neat labelled diagram explain the working of CRT TV.

4C. List the advantages and limitations of Wi-Fi.

[04 + 04 + 02]

