## 4458

# **BOARD DIPLOMA EXAMINATION, (C-14) JUNE-2019**

### **DECE - FOURTH SEMESTER EXAMINATION**

Time: 3 Hours] [Max. Marks: 80

#### PART - A

10x3 = 30M

- **Instructions:** 1) Answer all questions. Each question carries three

- 10) List the different types dialing methods.

- **Instructions:** 1) Answer **any five** questions.
  - 2) Each question carries ten marks.
  - 3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer
- 11) Explain the coding and decoding of a PCM signal.
- 12) Explain the generation and detection of DM signal
- 13) Explain the cyclic redundancy check method for error detection and correction using checksum.
- 14) Explain NRZ and RZ line coding technique.
- Explain the digital modulation techniques (ASK,FSK and PSK)
- Draw and explain BPSK modulation and demodulation
- 17) Explain frequency division multiplexing and time division multiplexing.
- 18) Explain the TDM techniques used in Telephony.

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