TED	(15) -	-4041
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## DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2017

## ELECTRONIC INSTRUMENTS AND MEASUREMENTS

[Time: 3 hours

(Maximum marks: 100)

PART — A

· (Maximum marks: 10)

Marks

- Answer all questions in one or two sentences. Each question carries 2 marks.
  - Define instrument error.
  - List any two applications of wheat stone bridge. 2.
  - Define deflection sensitivity of C.R.O. 3.
  - List any two applications of logic analyzers. 4.
  - Define open loop control system.  $(5 \times 2 = 10)$ 5.

PART — B

(Maximum marks: 30)

- II Answer any five of the following questions. Each question carries 6 marks.
  - Differentiate between moving coil and moving iron instrument.
  - Draw a neat sketch of CRT and label the parts. 2.
  - List the specifications of digital multimeter.
  - Illustrate the working of Digital Data Acquisition System. 4.
  - Classify transducers based on the technology. 5.
  - Describe the importance of telemetry in instrumentation system.
  - Draw the block diagram of spectrum analyzer.

 $(5 \times 6 = 30)$ 

P.T.O.

(b) Describe closed loop control system.

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