

Total No. of printed pages = 2

Et-402/ET&M/4th Sem/2016/N

**ELECTRONICS TEST AND
MEASUREMENT**

Full Marks – 70

Pass Marks – 28

Time – Three hours

The figures in the margin indicate full marks
for the questions.

Answer any *five* questions.

1. Draw the CRT of a CRO. Name different circuits of a CRO and explain any one. 14
2. Explain the construction and operation of an electronic multimeter. How voltage can be measured using digital method ? 14
3. Draw the block diagram of a function generator and explain its principle of operation. 14

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4. Draw the block diagram of a signal generator and explain its working principle. 14
5. What is Total Harmonic Distortion (THD) ? Explain the working principle of distortion meter. 14
6. Discuss how frequency and time period can be measured using frequency meter. 14
7. Write short notes on any *two* : $2 \times 7 = 14$
- (a) IEEE bus interface
 - (b) Wave analyzer
 - (c) Pulse generator
 - (d) Heterodyne wave analyzer.