Total No. of Questions : 8] *[Total No. of Printed Pages : 2*

Roll No .....

EE-502 (GS)

B.E. V Semester

Examination, December 2017

Grading System (GS)

Electronics Instrumentation

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) With the help of block diagram explain the working of CRO.
   b) Discuss about electrostatic focusing and electrostatic deflection.

2. a) Explain Dual trace and Dual beam CRO.
   b) Discuss the principle working of storage oscilloscope.

3. Draw the circuit and explain following Bridges.
   a) Maxwell's inductance capacitance bridge
   b) Anderson's bridge
   c) Wein's bridge

4. Draw and explain following bridges.
   a) Desauty's bridge
   b) Heaviside Cambell's bridge
   c) Universal bridge

5. a) Explain the principle working of LVDT and RVDT.
   b) Explain the principle of magnet elastic and magnetostrictive Hall effect transducer.

6. a) With the help of block diagram explain sine and square wave generator.
   b) Explain the working of Random noise generator and Sweep generator.

7. a) Explain the principle working of successive approximation type digital voltmeter.
   b) Explain the principle of LED and LCD display.

8. Write short notes on any two of the following:
   a) Q meter and its applications
   b) Harmonic distortion analyser
   c) Spectrum analyser

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