AD-3285
Third Year B. Sc. (Electronics) (Sem. VI) Examination
March/April – 2015
Paper - 9 : Electronic Instrumentation

Time : Hours] [Total Marks : Instructions :
(1)
(2) Q. 1 is compulsory.
(3) Assume data, if required.
(4) Draw figures and block diagram to support your answers

1 Answer in brief : 8

(A) What will be the resolution of a digital voltmeter of $3\frac{1}{2}$
digit.

(B) Draw the diagram of the CRT only.

(C) What is distortion factor ?

(D) What is the Lissagus figure ?

2 (A) Explain the Successive approximation type DVM 7
(B) Explain the Digital multimeter in detail. 7

OR

2 (A) Explain the block diagram of a simple CRO and 7
explain in detail.

(B) Explain the circuit of the time base generator in CRO. 7

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3 (A) Explain the fundamental suppression type of harmonic distortion analyzer.
(B) Explain the sampling oscilloscope in detail.

OR

3 (A) Explain the function generator with the help of neat diagram.
(B) Discuss the Half split method of trouble shooting.

4 Write short notes: (Any TWO)
(A) Digital frequency meter
(B) Active Probe
(C) Ramp type DVM
(D) Pulse and square wave generator.