



AD-3285

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

Time : Hours]

[Total Marks :

Instructions :

(1)

नीचे दशांशके निशानीवाणी विगतो उत्तरवही पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="text" value="THIRD YEAR B. Sc. (ELECTRONICS) (SEM. VI)"/>	<input type="text" value="Student's Signature"/>
Name of the Subject :	
<input type="text" value="PAPER - 9 : ELECTRONIC INSTRUMENTATION"/>	
Subject Code No. : <input type="text" value="3"/> <input type="text" value="2"/> <input type="text" value="8"/> <input type="text" value="5"/> Section No. (1, 2,.....): <input type="text" value="Nil"/>	

- (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 explain in detail. 7

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

- 3 (A) Explain the fundamental suppression type of harmonic distortion analyzer. 7
(B) Explain the sampling oscilloscope in detail. 7
- OR**
- 3 (A) Explain the function generator with the help of neat diagram. 7
(B) Discuss the Half split method of trouble shooting. 7
- 4 Write short notes : **(Any TWO)** 14
(A) Digital frequency meter
(B) Active Probe
(C) Ramp type DVM
(D) Pulse and square wave generator.
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