



RAN-1219

T.Y. B Sc Electronics Sem 6 Examination

March / April - 2019

Paper - IX Instrumentation

सूचना : / Instructions

नीचे दृशविले निशानीवाणी विगतो उत्तरवली पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y. B Sc Electronics Sem 6

Name of the Subject :

Paper - IX Instrumentation

Subject Code No.: 1 2 1 9

Seat No.:

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Student's Signature

Q1 Answer Briefly (8)

- A. What is use of delay line in CRO?
- B. Define Preventive maintenance.
- C. Define deflection sensitivity of CRO
- D. What is the advantage of FET input voltmeter?

Q2 (A) Explain sampling oscilloscope with neat block diagram. (7)

(B) Find the expression for the deflection sensitivity of CRO. (7)

OR

02 (A) Draw block diagram of simple CRO and explain. (8)

(B) The Lissajus pattern on the CRO is stationary and has six Horizontal and four vertical Tangencies. The frequency of Horizontal input is 600 Hz. Determine the frequency of vertical Input. (6)

Q3 (A) Explain digital frequency meter with neat block diagram. (7)

(B) Explain half split method of troubleshooting. (7)

OR

Q3 (A) Discuss Ramp type of digital voltmeter. (7)

(B) Explain Harmonic distortion analyzer. (7)

Q4 Write Short Notes (any two) (14)

A. Function Generator.

B. Digital Multimeter.

C. Hetrodyne Wave Analyzer.

D. Time base generator in CRO
