Third Year B. Sc. (Sem. VI) Examination
March/April – 2016
Electronics : Paper - IX
(Instrumentation)

Time : 2 Hours] [Total Marks :

Instructions :

(1) Fill up strictly the details of signs on your answer book.

(2) Q. 1 is compulsory.

(3) Figures at extreme right indicate full marks.

(4) Draw figures / diagrams to support your answer.

1 Answer briefly :

(A) Define resolution of a DVM.

(B) What is preventive maintenance ?

(C) Define distortion factor.

(D) If frequency applied on vertical and horizontal plates is same, then what Lissajous figure will appear on screen?

2 (A) Explain block diagram of digital frequency meter. 7

(B) Explain square and pulse wave generator. 7

OR

2 (A) Explain sampling oscilloscope in detail. 7

(B) Discuss the time base generator of CRO. 7

[Contd...
3 (A) Discuss successive approximation digital volt meter. 7
(B) Explain heterodyne wave analyze. 7

OR

3 (A) Explain Integrating type of digital voltmeter. 7
(B) Discuss digital multimeter. 7

4 Write short notes : (any two) 14
(A) Function generator
(B) Block diagram of CRO
(C) Harmonic distortion Analyzer
(D) Split half method of troubleshooting.