SΒ	Roll	No
J.D.	IVOII	· NO

ELECTRONIC INSTRUMENTS AND MEASUREMENT 3rd Exam/ECE/4361/Feb'2021 (For 2018 batch onwards)

Duration: 1.15Hrs. M.Marks:25

SECTION-A

Q1. Attempt any three questions.

3x5=15

- i. List the different types of errors in measurement.
- ii. Explain the working principle of D.S.O with its block diagram.
- iii. Differentiate between analog and digital instruments.
- iv. Discuss in brief the working of CRT.
- v. Explain the characteristics of instrumentation amplifier and its need.
- vi. Explain principle and operation of strain gauge transducer.
- vii. Discuss in brief the working of moving iron type instruments.

SECTION-B

Q2. Attempt any one question.

1x10=10

- a. Draw the block diagram of C.R.O and explain the function of each block in detail.
- b. Write down the working and Operation of LVDT in detail.
- c. Write a short note on
 - i) Loading effect. ii) Precision iii) Accuracy iv) Sensitivity.
- d. Explain in detail the working of digital multi-meter and its applications.