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Code No: 138FY

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, December - 2020

ELECTRONIC MEASURING INSTRUMENTS

(Common to CE, EEE, ME, CSE, EIE)

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Time: 2 Hours

Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks

1. Explain the terms accuracy and precision and describe the necessity of each terms. [15]
2. Describe the important characteristics of instruments that are totally electrical and electronic in nature. [15]
3. With a neat diagram, explain the principle operation of sweep frequency generator. [15]
4. Draw a simple circuit of frequency modulating an AF signal generator and explain its operation. [15]
5. With neat sketches, explain the operation of True RMS Voltmeters. [15]
6. Draw the block diagram of an CRO and explain briefly its major system. [15]
7. Describe the principle of working and circuit diagram of galvano metric recorders. [15]
8. Explain the working principle of piezoelectric transducer with neat sketches. [15]

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