Electronic Instrumente 27/12/07	
Electronic Instrument 27/12/0/	
(REVISED COURSE) CD- 5883 (3 Hours) [Total Marks : 100]	
 Question No. 1 is compulsory. Attempt any four questions out of remaining six questions. Figures to the right indicate full marks. 	
State the function of an attenuator in C.R.O. State the necessary specifications of standard Digital voltmeter. Explain about Beat frequency oscillator. Requirements of Analog type of multimeter.	5 5 5 5
Explain the working of Ramp type digital voltmeter with neat block diagram. Also explain about resolution and sensitivity of Digital voltmeter. Discuss in brief, the principle of working peak reading, rms reading and average reading of electronic voltmeter.	10 10
Explain with neat diagram about the following applications of C.R.O:— (i) Testing of diodes, transistors, capacitors. (ii) Frequency and period measurement. Explain the functions of various controls on the front panel of a C.R.O.	10
an the following with operations and limitations:— a) Analog Electronic phase meter b) Digital phase meter.	20
Explain LVDT and its application in measurement. Draw a circuit diagram and discuss the working of an analog electronic frequency meter. State the limitations.	10 10
Exciain any one type of Digital to Analog converters. Liaw the block diagram and explain the working of function generator.	10 10
■ short notes on any three :— □ Digital Storage Oscilloscope (DSO) □ Data Acquisition System □ Instrumentation Amplifier □ Active Filter.	20

Attempt any four questions from Question Nos. 2 to 7.