EXPT-9 SIGNAL PROCESSING USING CRO 17/10/16

AIM: Generate and visualize waneformsand their mining

APPARATUS REQUIRED:

Cathode may oscilloscope and Function generalor

## SLO:

- · Basic operation of CAO
- · Study of different kinds of woneforms
- · Determination of pear and RMS voltage
- · Generation and study of Lissayious figures

  Vers = 0.707 Vm

## OBSERVATIONS:

a) MEASURE MENT OF VOLTAGE

ه در ک	Actual waltage shown too prevent mapping	Posision of Vertical Amplifier Contral (values)	Disprovement p (can)	Vollege V=Dx Volle/u volle	Yms Eshany.
L	2	0.5 V/a	4.0	20	1.414
2	\\\\	0.5 1/4	3.3	19	1.343
3	11	0.5 VIm	3.8	19	1.343
4					

7		Tim	ENT OF	Period T	frequence	France	J.Fm.
		Bose (seel dir)	Horizonta Divisions (units)	(sec)	(ns)	read on did	×.
	1	1	3.2	3. 1×153	3. L	go-ororon	374.
	0		3.3	3.3 ×10-3	=212.5		
	2	1			3.3	311.0	37x
	3		3.2	3.2 × 10-3	3.2	311.0	37 Y.
	4		BOE O'A'	9 10 10	=311.5		
c)			9	So So	(6)	0	
		(C)					
1	isso,	Jour .	Figure for ions d(a)	horzon	(d) lal to u	ertical	

