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## SONGLE PHASE HALF WAVE RELTOFTER

To construct a half wave rectifier using diode and to draw its performance characteristics.

APPARATUS REQUERED:

S.No	Name	Dange	Dry
01)	Transformer	230/	1
02)	Q.P.S	(0-30)V	2

## COMPONENTS REQUIRED 8

S.No	Name	Range	ady
01)	Diode	2N4007	1
62)	Resister	1K2	1
03)	Bread	-	1
04)	aprilor	coopet	2
08)	CRO	-	4

Formulae's

without fitter

Your Vole 2 V

I'i) Vole 2 V

Vole 3 × V

Vole 2 V

Vole 3 × V

Vole 3 × V

Vole 3 × V

Vole 3 × V

Vole 4 V

Vole 4 V

Vole 5 V

Vole 6 V

Vole 7 V

Vole 7 V

Vole 6 V

Vole 6 V

Vole 7 V

Vole 7 V

Vole 6 V

Vole 6 V

Vole 7 V

Vole 7 V

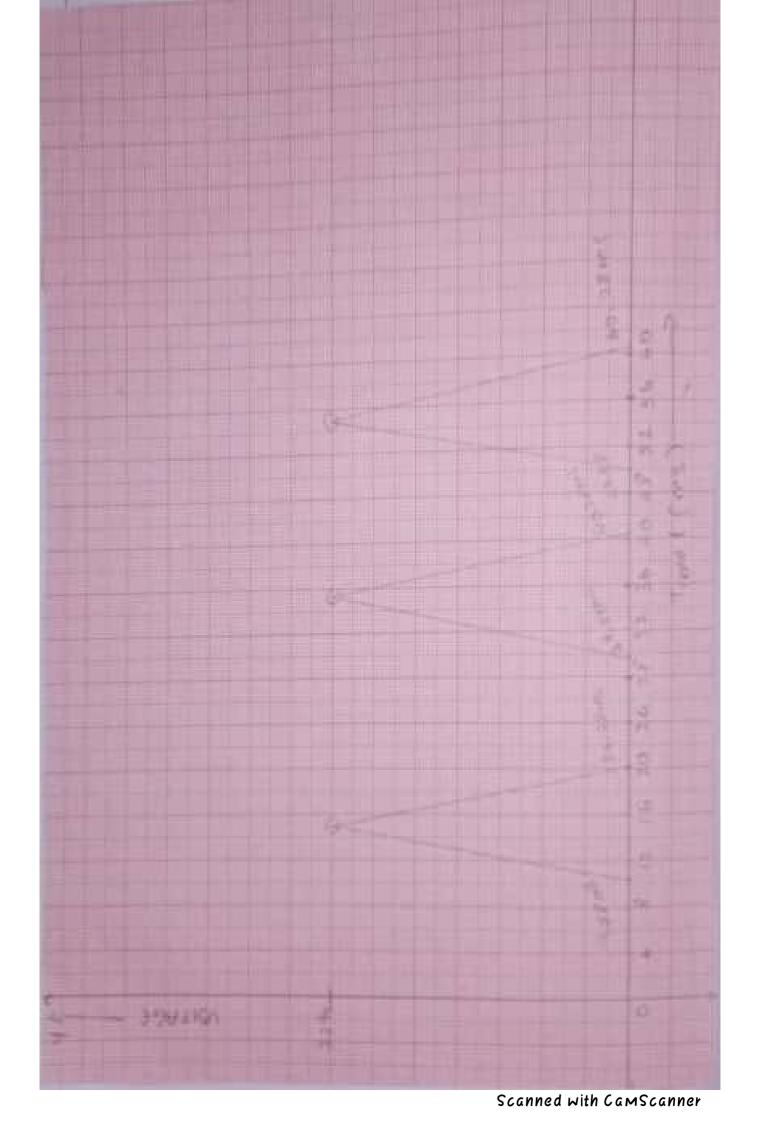
Vole 6 V

Vole 7 V

Vole 7 V

Vole 6 V

Vole 7 V



PROCEDURES Withoutfilter 1) Give the connections as per the circult diagram A 280V, 80 Hz AC Imput given to pramary allde of the transformer where phase end of the seronday is consected to anode terminal of the 3) Observe the output across the IKI look with use 4) Brot its performance graph. Withfilter 1) Connections made as per the circuit diagram. A 230V, 50th2 At mont gruen to primary orde of the transformer where phase end of the secondary is connected to anode derminal of the diodo. Connect the capacitor across IK2 load. Observe the output geross IK Shim load with use of plot its performance growth. A half wowe rectifier was constructed using a diode and its performance characteristics were dianons