## Problem no. 2

Design a circuit (using Zener diode 1N750) to produce a pure DC supply from an input AC source.
Input AC voltage = 230 sin 477t volts
Output DC voltage = 12 volts

claculation:

Vin = 230 sin 477t volt

A = 230

275 = 477

 $=7 + = \frac{477}{2\Lambda}$ 

= 75.92Hz

Vout = 12V





