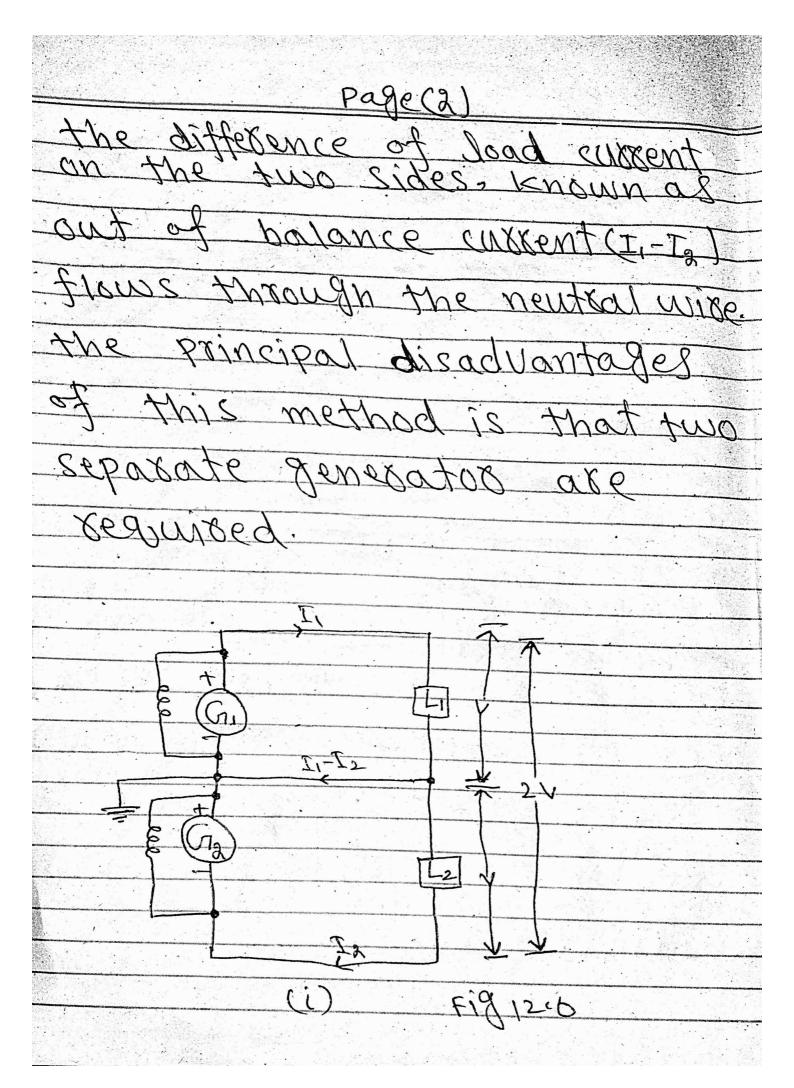
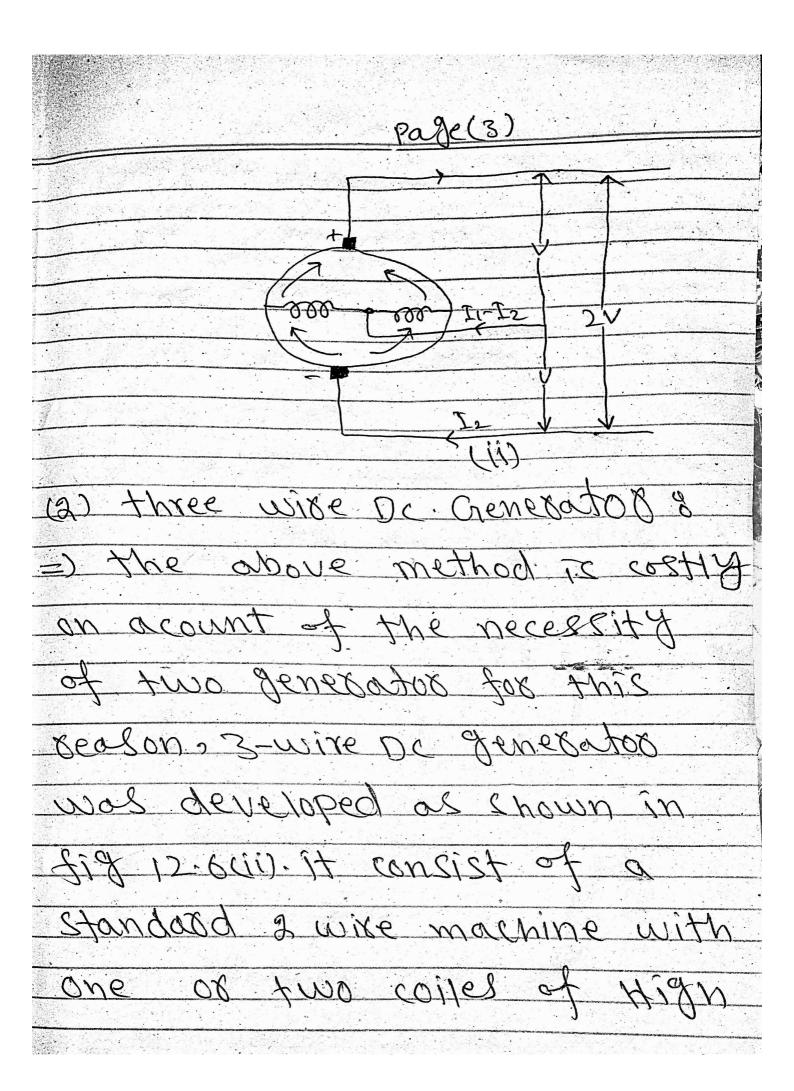
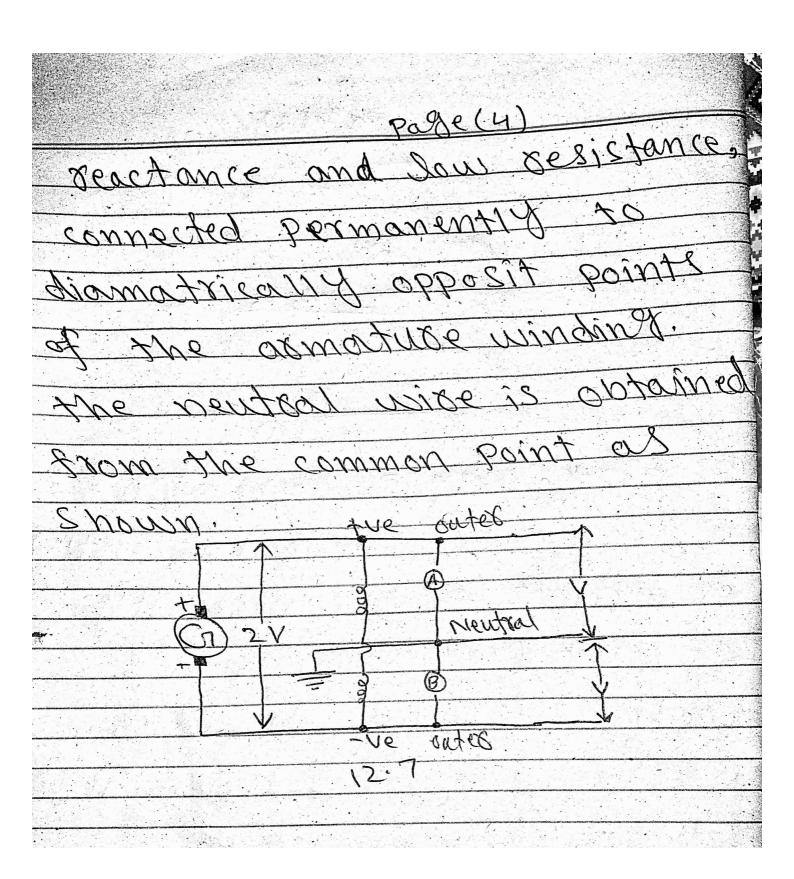


Page(1)
Quot: Explain two generator method of objaining 3-wire DC Ststem.
Anso There are several methods - dotaining 3-wire De System. Hawever: the most important ones are:
1) Two Denseator method:
in this method, two shunt wound De Jenesatos G, and G, and G, as are connected in Series and the neutral is obtained from the common Point b(w Jenesatos as Shown in fig. 12.6(i), each Jenesatos
supplies the Load on its own. Side. thus generator Gir supplies
a load current of In whereas
generator Gra supplies a Joad cursent of Iz.







13) Balances set: the three wise system can be obtained from wise DC System by the r balances set as shown in 919 12.7. Gis the main 2-wise de Jenerator and Supplies to the whole system. the balancer set consist of two identical de shunt machines A and B coupled mechanically their armatures and Geisez mi beniof Prinonicu bleit across the outer. The junction battage 22 soutrands oright and newtral wise is taken

page (6)

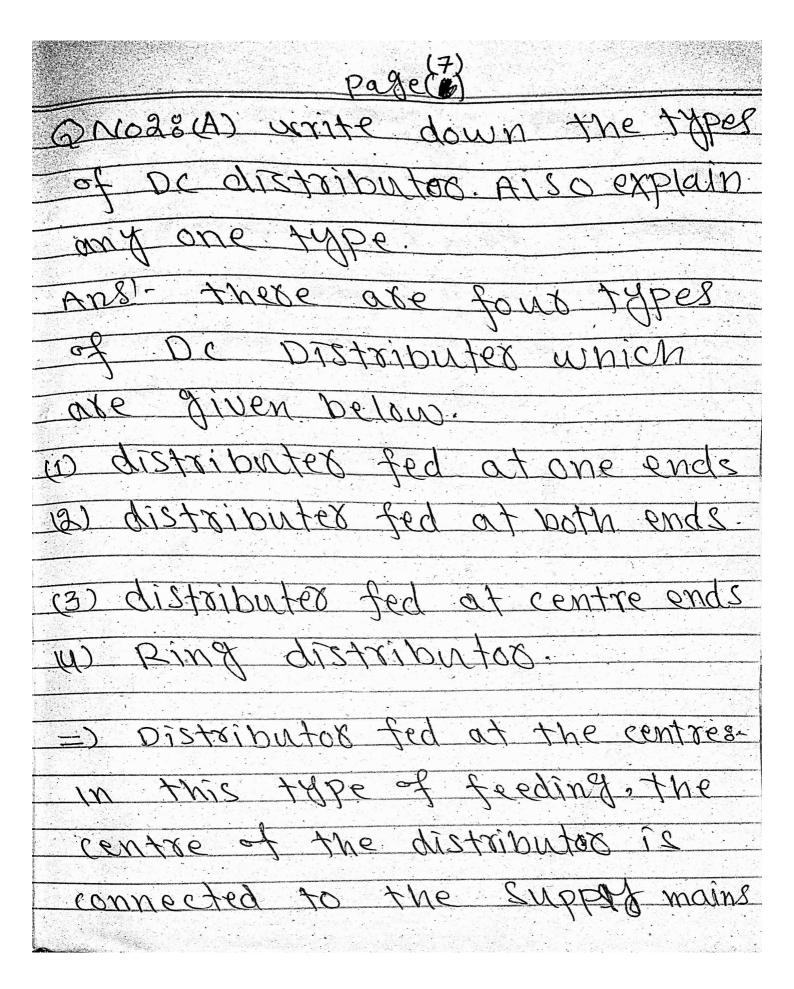
out from never the balances

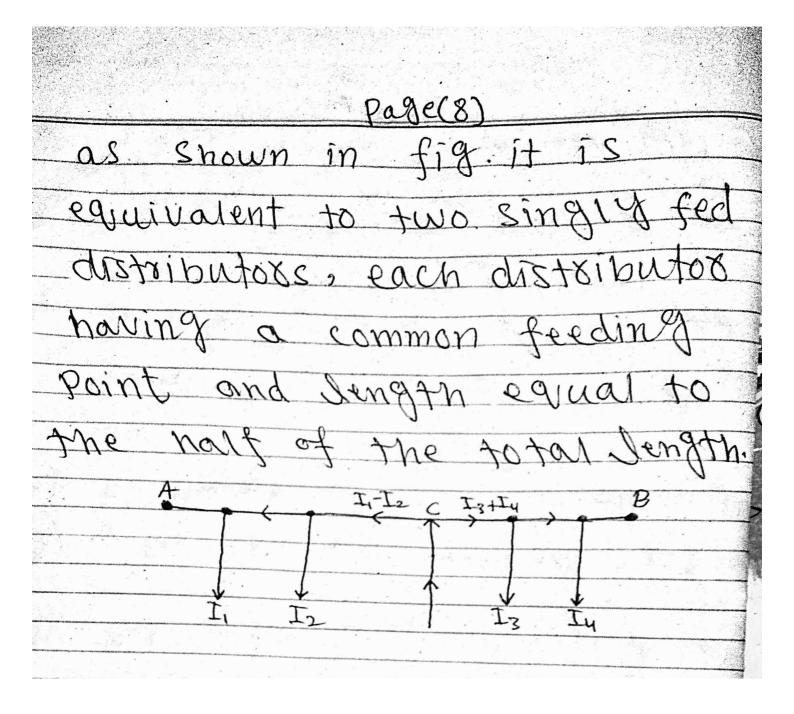
set has the additional advantage

that it maintains the PE P.D

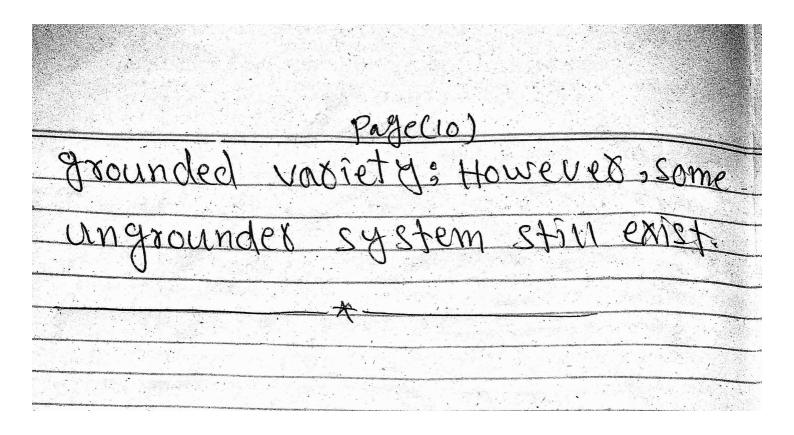
on two sides of neutral

equal to each other.

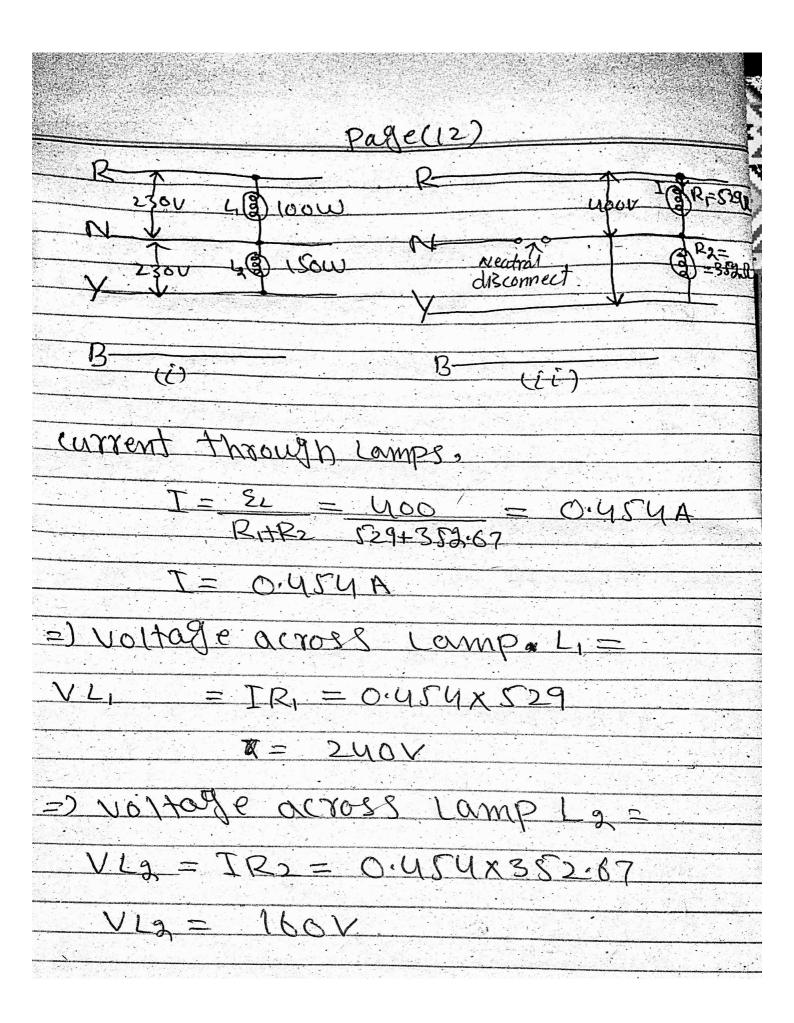




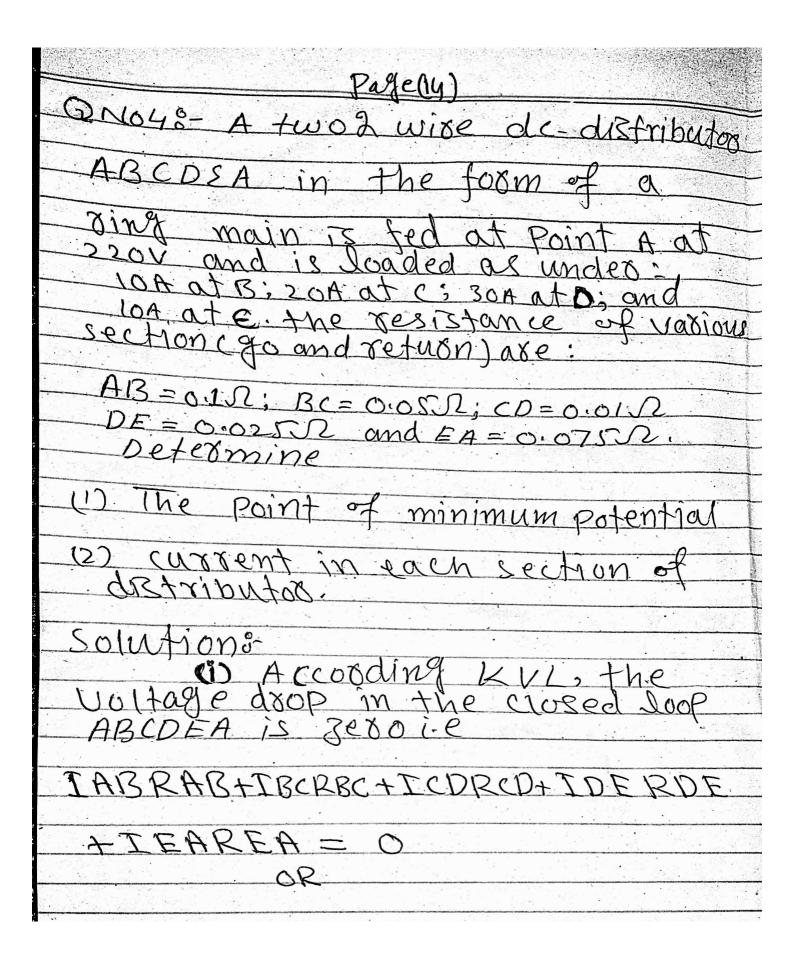
(B) Explain Ground Deatectors the ground detector is an instrument union is used to detect conductor insulation. Resistance to ground. An other meter, or a series of lights, can be used to detect the mo to atongthe noitalnem ungrounded distribution system most power distribution system in use today are of the

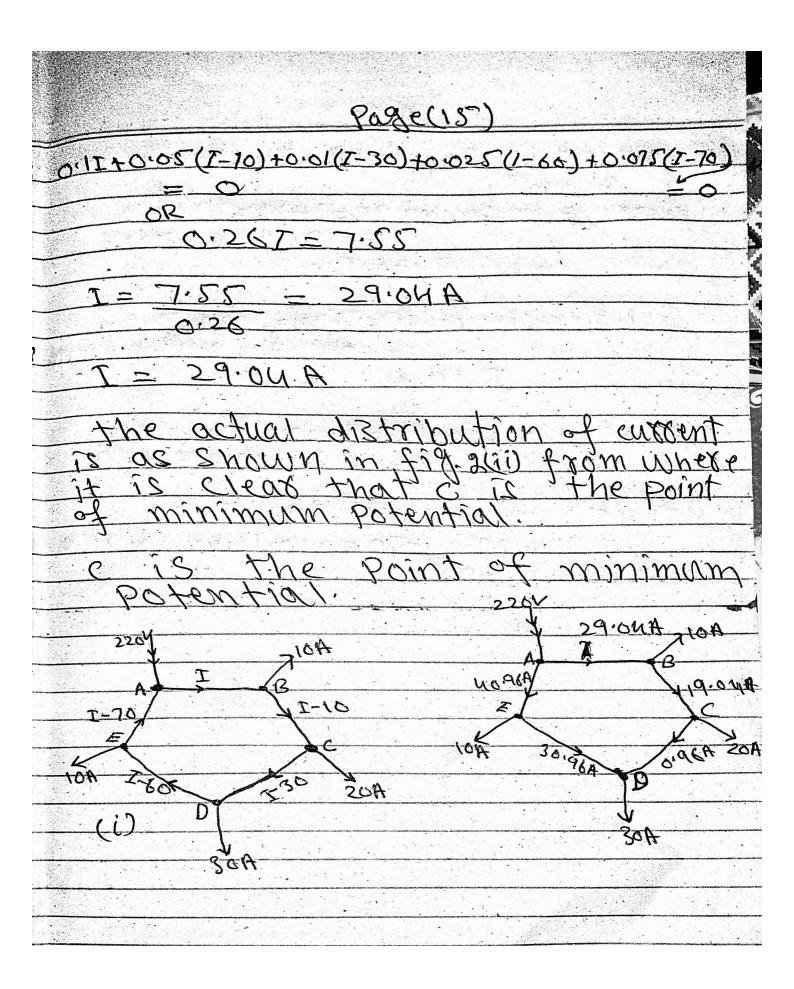


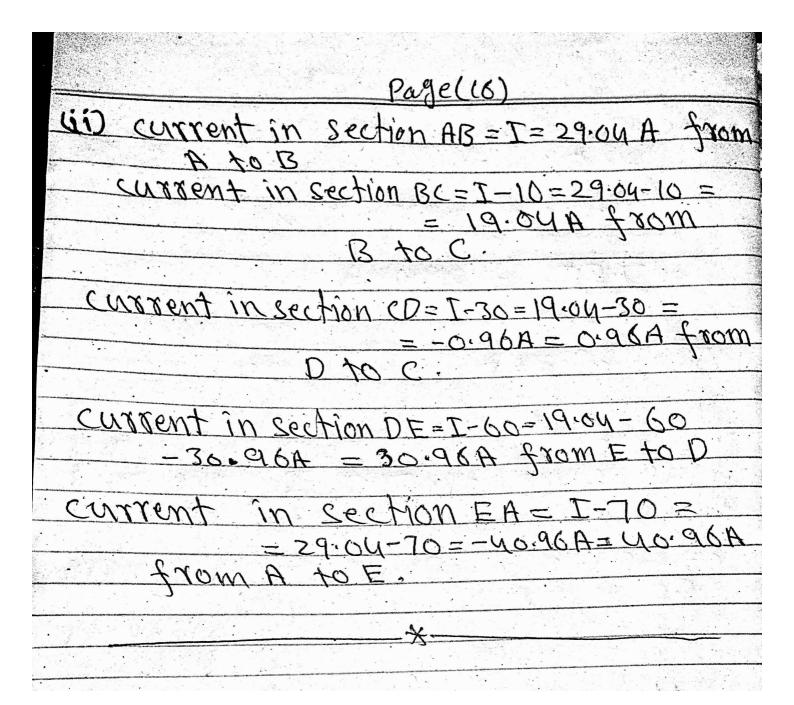
page(11)
re. QN038-
Solutions- fig 14.21(i) shows the
Lamp connection. The Lamp Li of
100 watts is connected blu phase R
and neutral wnexeas lamp Lz of
150 watts is connected blw Phasey
and the neutral.
Resistance of Lampl, R= (230)=
= 100
= 5291
Resistance of Lamply, R2= (230)
150
= 352.67.0

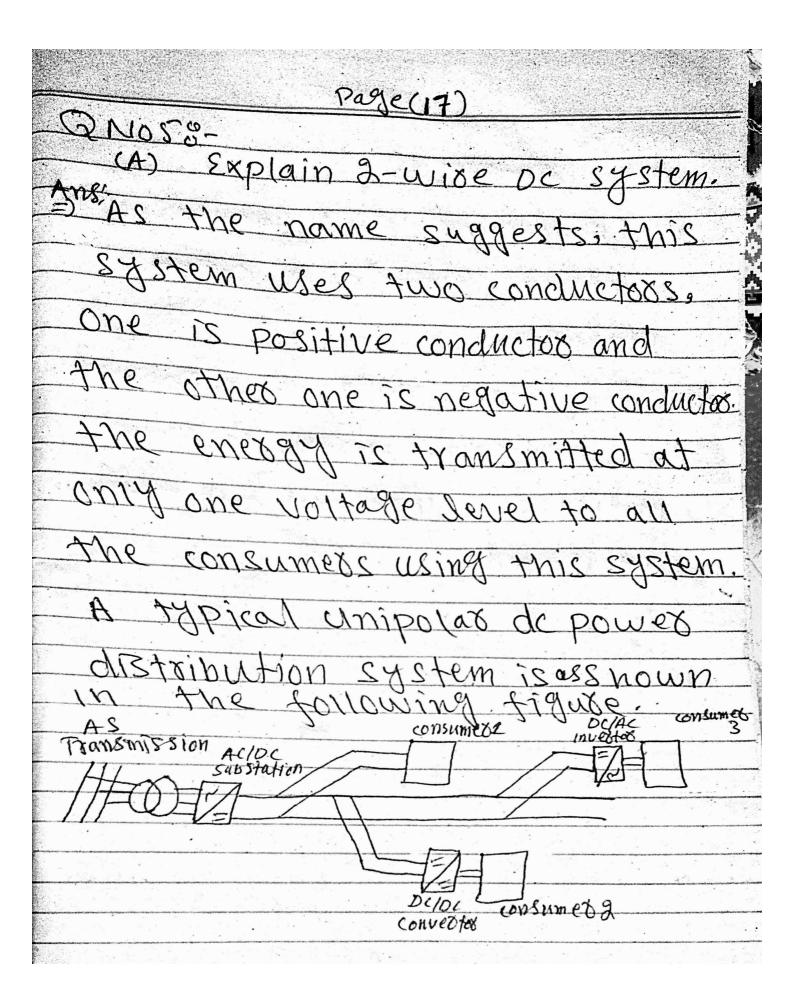


Page (13)
comments 3- The voltage across
- wowatt Jamp 13 mcreased to
znov whereas that across isomatt
13 decreased to 160v. these fose.
100 watt lamp becomes brighted.
and 150 watt lamp becomes dim.
it may be noted neve that
it 100 watt lamp happens to be
rated at 2301. it may burn
out due to 2401 coming across









Conso	
QNOS:- BOOSTED:-	
10 A device for increasing	
electrical voltage or signal	- 2
Strength.	
(2) The first stage of a Bocket	<u>F</u>
08 space craft, used to give	
initial acceleration and then	1
jettisoned.	
Spd	