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BEE-Viva. QUESTIONS: (A2_ETRX)

-> Experiment 1:

- What does 103 written on cap mean 2 what type is it
- 2. Distinguish bet active-passive comp.
- 3. Jupes of diedes, how to edentify terminals of diode
- 4. Types of trans, now to identify terminals
- 5. Identify nodes of LED, nodes of p-njun?
- 6. Diffranteate between inductor & resistor (How to)
- what is power efficiency.
- What is dilatoral ckt.
- What is the significance of resistor size. State types of capacitors, & how to identify them, given a value.

-> Experiment 2: 8 Experiment 3:

- State:
- Mare power thansfer thm.
- superposition than
- No exton's them
- Thevenin's thm
- 2. What is the intornal susistance of current of voltage source
- 3. Application of superposition thm.
- 4. Application of mare power thans thm.
- 5. How to calculate In of Mosition's thim.
- 6. Intourret of explain graph of max power trans than
- 7. In max power transfer if we get only 50% effecting, then de use et zin practical applications?

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4.	What is &-Factor ? & ils ségnificance.
5.	In the graph, frow to find out bandwidth
6.	THUTTICAL Annescales During our our sourcem
7.	Pratical applications of resonance.
	of the of increasing value of (R) resistance
\rightarrow	Experiment 7: (Refer to youtube video for cht connections
	youtube vedes for cht connections
1-	Annillia of star commendation of six)
2.	Analysis of Star connections. 3 how connections are. Relation letter correction done
3.	Relation letingen agence
	In starfdelta connection.
4.	In the grant show was a com
5.	In the graph. Show which is line current, phase current. Why do we use two power meters while connecting?
6.	Which power motor never which I while connecting?
7.	Why is the factor of 0.5773 to a miller
8.	The phase d'illorence between voitone
1,321.	Which power meter gives, which powers Why is the factor of 0.5773 in g-mult 2 The phase difference between voltages, between currents.
→	Experiment 8:
	The state of the s
1	Define: the power converter.
a	Buck
b) Boost
C	Buck-boost.
2.	Defference between buck convox boost conver.
3	. What is the use transistor in cht.
4	· Use of allode in akt.
7	· How do we know the type of convoitor from deagran
6	. From the graph, Edentify ripple current.
7	Explain duty cycle,
2	Elow do we know the type of convoitor from diagram. From the graph. Edentify ripple current. Explain duty cycle, Any of graphs interpretation.

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	Experiment 9:-
1.	What is C-reating of battery.
2.	and tuber of two thouses
3.	what is Dod of Soc of battery.
4.	What are the battery spectifications.
5.	What is DOD of SOC of battery. What are the battery specifications. Based on requerement, how to determine battery type.
6.	Typer of power densities and battory energies.
7.	Typer of power densities and battery energies.
7	
<i>→</i>	Experiment 10:
	The state of the s
1.	What is transformer
۵.	What as voltage regulation
3.	Working principle of transformors.
	Why is there magnetizing worrent in transformers
E.	Various losses in transformer: which one depends on load
6 .	Factor responseble for losses
7.	What is significance of OC & SC test.
8-	What is significance of OC & SC test.
9.	Types of transformers, on turns ratio basis.
10	Types of transformers, on turns tratio basis. Use of transformer with K:1.
	Review
. *	Returned of each experiment is to be read.
	Questions can be asked from there.
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