Jnit No. & Name: 1 & Permanent magnet bro Topic Name: Construction	ushless DC Motor Duration: 10 Mins
No. of Questions : 04	K-
1.Draw the construction of PM BLBD Rotor	
D. The roter of DM PLDC motor is made up of	
2.The rotor of PM BLDC motor is made up of 3. List the merits and demerits of PMBLDC I	
4. Compare BLDC Motor with Induction mo	otor

Topic Name: Principle of operation	Duration: 10 Mins
No. of Questions : 04	
1.Compare Electronic Commutator and Mechanic	cal Commutator
2. Draw BH Curve	
3.Draw the switching circuit of electronic commu	tator
3	

1. Draw the delta connected stator armature winding	

Topic Name: Solid stranded and bundled conductor	Duration: 10 Mins
No. of Questions : 04	
1. What is meant by Demagnetization curve?	
2. What is meant by electromechanical transfer?	
1. List out the types of PMBLDC Motor	
4.Draw the air flux density for BLPM Square wave motor	
4.Draw the air flux density for DL1 W Square wave motor	

Topic Name: EMF and torque equations	Duration: 10 Mins
No. of Questions : 04	

K-2

No. of Questions : 04	
	K-2
1.Draw the torque speed characteristics of BLPM SQM Motor	
2.List out the constraints of torque speed characteristics of PMBLDC	
3. Continuous limit	
2. Intermittent limit –	

Duration: 10 Mins

Topic Name: CHARACTERSISTICS OF BLPM SQM DC MOTOR

Topic Name: Power Converter Circuits and their controllers	Duration: 10 Mins
No. of Questions : 04	
1. Draw the BLDC 120 degree phase current	
2. Draw the 180 degree BLDC Motor phase current	
3. Draw the flux density around air gap	
4. What is the purpose of optical position sensor	

Topic Name: Motor characteristics and control—Applications. No. of Questions: 04	Duration: 10 Mins
1.What is the limitation of PM BLDC MOTOR?	
2.What are the advantages of BLDC MOTOR?	
3.Mention the applications of BLDC MOTOR?	
4.Compare the cost of BLDC MOTOR with other special motor	
	K-2