

Internal Assessment Test – 2

Sub: Computer Aided Electrical Drawing (Professional Elective)				Sub Code: 18EE643 – Paper1		
Date: 11/06/2022	Duration: 90 mins	Max Marks: 50	Sem: 6	Section: A		
Answer BOTH the Questions. Explain your notations explicitly and clearly. Make appropriate assumptions wherever necessary. Use <b>AutoCAD Software</b> for drawing. Good luck!						
				Marks		
				OBE		
				CO		
				RBT		
<p>Q1. Draw the single line diagram of a generating station having following equipment's:</p> <p>(i) Incoming lines: 110 kV, 50 Hz, 2;                      (ii) Outgoing lines: 110 kV, 50 Hz, 1;                      11 kV, 50 Hz, 3;                      (iii) Transformers: 5 MVA, 110/11 kV, 3-phase, 2;                      15 MVA, 110/220 kV, 3-phase, 1;                      500 MVA, 11 kV/400 V, 3-phase, Δ/Y, One Auxiliary Station Transformer;                      (iv) The station is connected to another substation through the 15 MVA transformer of 110/220 kV.                      Show the positions of CT, PT, Isolating Switches, Lightning Arrestors, and Circuit Breakers.</p>				[20]	CO2	L3
<p>Q2. Draw the developed winding diagram of the armature of the DC machine with the following data. Number of poles = 4; Number of slots = 12; Type of winding: Simplex wave.</p>				[30]	CO1	L3

CI

CCI

HOD

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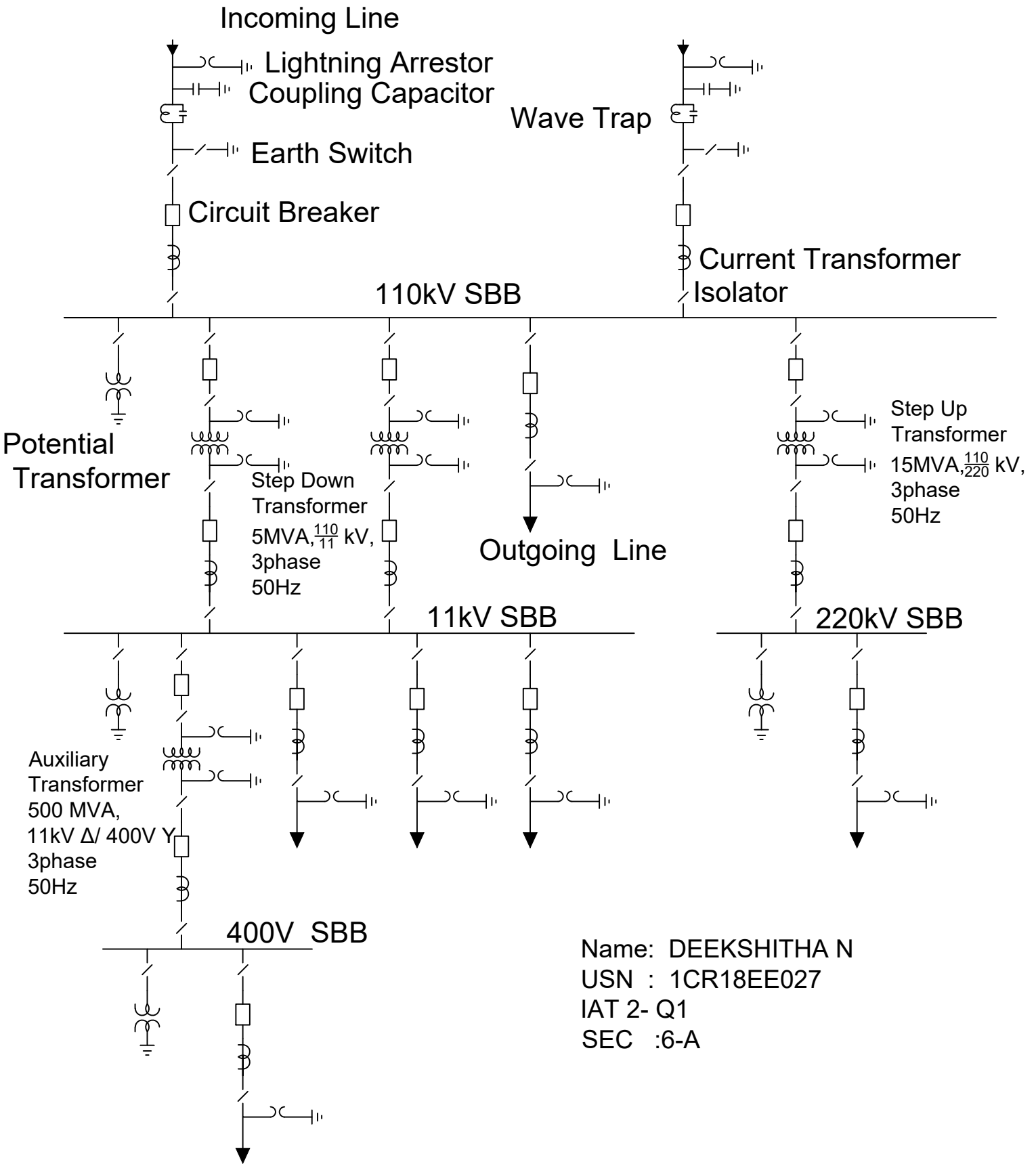
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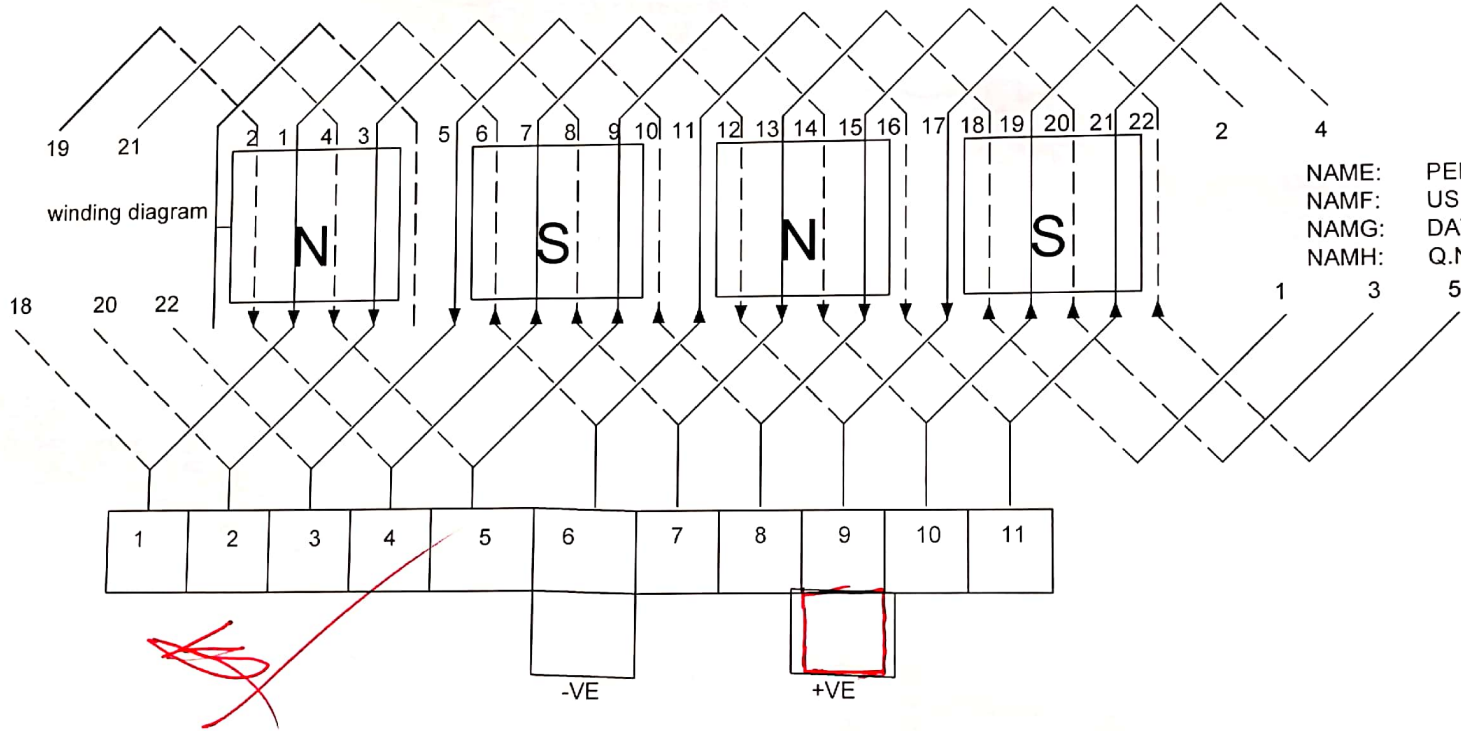
CCI

HOD



Name: DEEKSHITHA N  
 USN : 1CR18EE027  
 IAT 2- Q1  
 SEC :6-A

← DoR of motor



NAME: PEERZADA WAJAHAT  
 NAMF: USN:1CR19EE059  
 NAMG: DATE 11/06/22  
 NAMH: Q.No:2

sequence diagram

