

# LESSON PLAN

SUB:-ELECTRICAL DRAWING.  
BRANCH:- ELECTRICAL ENGG.  
SEMESTER: 4<sup>TH</sup>



NAME OF FACULTY: - ASHWINI KUMAR SAHU



GOVERNMENT POLYTECHNIC,  
BHADRAK  
SESSION:2024-25

HOD Electrical

HOD (ELECT.)  
G.P. BHADRAK

Academic Co-ordinator

Academic Co ordinator

Principal  
Govt. Polytechnic Bhadrak

Principal  
Govt. Polytechnic  
Bhadrak

DISCIPLINE ELECTRICAL	SEMESTER 4 <sup>TH</sup>	NAME OF THE TEACHING FACULTY -ASHWINI KUMAR SAHU(Sr.Lect. in Elect.Engg.)
SUBJECT ELECTRICAL DRAWING	NO. OF DAYS/WEEK CLASSALLOTTED - 90	SEMESTER FROM DATE <b>04.02.2025</b> - <b>17.05.2025</b>
WEEK	CLASS DAY	TOPICS
1 <sup>ST</sup>	01	3 point D. C. motor starter.
	02	3 point D. C. motor starter.
	03	3 point D. C. motor starter.
	04	4 point D.C. motor starter.
	05	4 point D.C. motor starter.
	06	4 point D.C. motor starter.
2 <sup>ND</sup>	07	DOL starter
	08	DOL starter
	09	DOL starter
	10	Star delta starter.
	11	Star delta starter.
	12	Star delta starter.
3 <sup>RD</sup>	13	Auto Transformer Starter.
	14	Auto Transformer Starter.
	15	Auto Transformer Starter.
	16	Rotor resistance starter.
	17	Rotor resistance starter.
	18	Rotor resistance starter.
4 <sup>TH</sup>	19	Pole with pole shoes.
	20	Pole with pole shoes.
	21	Pole with pole shoes.
	22	Commutator, Armature
	23	Commutator, Armature
	24	Commutator, Armature



5 <sup>TH</sup>	25	DC. armature winding. Simple lap winding.
	26	Simple lap winding
	27	Simple lap winding
	28	Simple lap winding
	29	Simple lap winding
	30	Simple lap winding
6 <sup>TH</sup>	31	Simple wave winding.
	32	Simple wave winding.
	33	Simple wave winding.
	34	Simple wave winding.
	35	Simple wave winding.
	36	Simple wave winding.
7 <sup>TH</sup>	37	Stepped core type.
	38	Stepped core type.
	39	Stepped core type.
	40	Stepped core type.
	41	Stepped core type.
	42	Stepped core type.
8 <sup>TH</sup>	43	Plane shell type.
	44	Plane shell type.
	45	Plane shell type.
	46	Plane shell type.
	47	Plane shell type.
	48	Plane shell type.



9 <sup>TH</sup>	49	Earthing installation.
	50	Earthing installation.
	51	Earthing installation.
	52	Earthing installation.
	53	Earthing installation.
	54	Earthing installation.
10 <sup>TH</sup>	55	Double pole structure for LT and HT distribution lines.
	56	Double pole structure for LT and HT distribution lines.
	57	Double pole structure for LT and HT distribution lines.
	58	Double pole structure for LT and HT distribution lines.
	59	Double pole structure for LT and HT distribution lines.
	60	Double pole structure for LT and HT distribution lines.
11 <sup>TH</sup>	61	Double pole structure for LT and HT distribution lines.
	62	Double pole structure for LT and HT distribution lines.
	63	Double pole structure for LT and HT distribution lines.
	64	Double pole structure for LT and HT distribution lines.
	65	Double pole structure for LT and HT distribution lines.
	66	Double pole structure for LT and HT distribution lines.
12 <sup>TH</sup>	67	Single line diagram of 33/11kSingle linV distribution substation.
	68	Single line diagram of 33/11kSingle linV distribution substation.
	69	Single line diagram of 33/11kSingle linV distribution substation.
	70	Single line diagram of 33/11kSingle linV distribution substation.
	71	Single line diagram of 33/11kSingle linV distribution substation.
	72	Single line diagram of 33/11kSingle linV distribution substation.



13 <sup>TH</sup>	73	Single line diagram of a 11/0.4 kV distribution substation.
	74	Single line diagram of a 11/0.4 kV distribution substation.
	75	Single line diagram of a 11/0.4 kV distribution substation.
	76	Draw Electrical symbols.
	77	Draw Electrical symbols.
	78	Draw Electrical symbols.
14 <sup>TH</sup>	79	Draw D.C. m/c parts.
	80	Draw D.C. m/c parts.
	81	Draw D.C. m/c parts.
	82	Draw D.C. m/c parts.
	83	Draw D.C. m/c parts.
	84	Draw D.C. m/c parts.
15 <sup>TH</sup>	85	Draw D.C. m/c parts.
	86	Draw D.C. m/c parts.
	87	Draw D.C. m/c parts.
	88	Draw D.C. m/c parts.
	89	Draw electrical layout of diagram of Electrical Installation of a building.
	90	Draw electrical layout of diagram of Electrical Installation of a building.

Signature of the Faculty

ASHWINI K. SATHI

Subject: (Elect.)

Govt. Poly Bhadrak