

Lesson planning for the semester starting w.e.f. 08.01.2018

Govt. Polytechnic Education Society, Manesar

Name of the Faculty : Sh. Vijay Kumar
Discipline : Civil/Mechanical/ Automobile Engg.
Semester : 2nd
Subject : Workshop Practice-II (Electrical Shop)
Lesson plan duration : 15 weeks (January, 2018 to April, 2018) Workload per week
(in hours): Practical -06Hrs.

Week	Theory		Group Number	Practical	
	Lecture day	Topic		Practical day	Topic
1 st			2 nd	1 st	Introduction to Single Phase & Three Phase supply & wiring system. Importance of three phase supply (RYB) & its sequence & wiring system. Job 1: Connecting generator & 3 Phase wiring through change over switch.
				2 nd	Estimating & costing of power consumption. Job 2: Connecting Single phase meter with supply & load. Reading & working out power consumption & cost of energy.
2 nd			2 nd	3 rd	Study of internal wiring diagram of common electrical appliances such as auto-electric iron, electric kettle, ceiling/table fan, desert cooler etc.. Demonstration of dismantling, servicing & reassembling of table/ceiling fan , air cooler, auto electric iron, heater etc.. Job 3: Dismantling, servicing

					reassembling of any of the above electric appliances, finding faults with series testing lamps & multi-meter
				4 th	Testing & reversing direction of rotation of single phase & 3 Phase motors. Job 4: Acceptance Testing of single phase/ three phase motor by using volt meter, ammeter & tacho-meter. Job 5: Reversing direction of rotation of single phase & three phase motor.
3 rd			3 rd	5 th	Introduction to Single Phase & Three Phase supply & wiring system. Importance of three phase supply (RYB) & its sequence & wiring system. Job 1: Connecting generator & 3 Phase wiring through change over switch.
				6 th	Estimating & costing of power consumption. Job 2: Connecting Single phase meter with supply & load. Reading & working out power consumption & cost of energy.
4 th			3 rd	7 th	Study of internal wiring diagram of common electrical appliances such as auto-electric iron, electric kettle, ceiling/table fan, desert cooler etc.. Demonstration of dismantling, servicing & reassembling of table/ceiling fan , air cooler, auto electric iron, heater

					etc.. Job 3: Dismantling, servicing reassembling of any of the above electric appliances, finding faults with series testing lamps & multi-meter
				8 th	Testing & reversing direction of rotation of single phase & 3 Phase motors. Job 4: Acceptance Testing of single phase/ three phase motor by using volt meter, ammeter & tacho-meter. Job 5: Reversing direction of rotation of single phase & three phase motor.
5th				9th	1 st Sessional Test
				10th	
6th			4th	11th	Introduction to Single Phase & Three Phase supply & wiring system. Importance of three phase supply (RYB) & its sequence & wiring system. Job 1: Connecting generator & 3 Phase wiring through change over switch.
				12th	Estimating & costing of power consumption. Job 2: Connecting Single phase meter with supply & load. Reading & working out power consumption & cost of energy.
7th			4th	13th	Study of internal wiring diagram of common electrical appliances

					<p>such as auto-electric iron, electric kettle, ceiling/table fan, desert cooler etc.. Demonstration of dismantling, servicing & reassembling of table/ceiling fan , air cooler, auto electric iron, heater etc..</p> <p>Job 3: Dismantling, servicing reassembling of any of the above electric appliances, finding faults with series testing lamps & multi-meter</p>
				14th	<p>Testing & reversing direction of rotation of single phase & 3 Phase motors.</p> <p>Job 4: Acceptance Testing of single phase/ three phase motor by using volt meter, ammeter & tacho-meter.</p> <p>Job 5: Reversing direction of rotation of single phase & three phase motor.</p>
8th			5th	15th	<p>Introduction to Single Phase & Three Phase supply & wiring system. Importance of three phase supply (RYB) & its sequence & wiring system.</p> <p>Job 1: Connecting generator & 3 Phase wiring through change over switch.</p>
				16th	<p>Estimating & costing of power consumption.</p> <p>Job 2: Connecting Single phase meter with supply & load. Reading & working out power consumption & cost of energy.</p>

9 th			5 th	17 th	<p>Study of internal wiring diagram of common electrical appliances such as auto-electric iron, electric kettle, ceiling/table fan, desert cooler etc.. Demonstration of dismantling, servicing & reassembling of table/ceiling fan , air cooler, auto electric iron, heater etc..</p> <p>Job 3: Dismantling, servicing reassembling of any of the above electric appliances, finding faults with series testing lamps & multi-meter</p>
				18 th	<p>Testing & reversing direction of rotation of single phase & 3 Phase motors.</p> <p>Job 4: Acceptance Testing of single phase/ three phase motor by using volt meter, ammeter & tacho-meter.</p> <p>Job 5: Reversing direction of rotation of single phase & three phase motor.</p>
10 th				19 th	2 nd Sessional Test
				20 th	
11 th			5 th	21 st	<p>Introduction to Single Phase & Three Phase supply & wiring system. Importance of three phase supply (RYB) & its sequence & wiring system.</p> <p>Job 1: Connecting generator & 3 Phase wiring through change over switch.</p>

				22 nd	<p>Estimating & costing of power consumption.</p> <p>Job 2: Connecting Single phase meter with supply & load.</p> <p>Reading & working out power consumption & cost of energy.</p>
12 th			5 th	23 rd	<p>Study of internal wiring diagram of common electrical appliances such as auto-electric iron, electric kettle, ceiling/table fan, desert cooler etc.. Demonstration of dismantling, servicing & reassembling of table/ceiling fan , air cooler, auto electric iron, heater etc..</p> <p>Job 3: Dismantling, servicing reassembling of any of the above electric appliances, finding faults with series testing lamps & multi-meter</p>
			2 nd	24 th	<p>Testing & reversing direction of rotation of single phase & 3 Phase motors.</p> <p>Job 4: Acceptance Testing of single phase/ three phase motor by using volt meter, ammeter & tacho-meter.</p> <p>Job 5: Reversing direction of rotation of single phase & three phase motor.</p>
13 th			2 nd	25 th	<p>Introduction to Single Phase & Three Phase supply & wiring system.</p> <p>Importance of three phase supply (RYB) & its sequence & wiring system.</p> <p>Job 1: Connecting generator & 3 Phase wiring through change over switch.</p>

				26 th	<p>Estimating & costing of power consumption.</p> <p>Job 2: Connecting Single phase meter with supply & load.</p> <p>Reading & working out power consumption & cost of energy.</p>
14 th			2 nd	27 th	<p>Study of internal wiring diagram of common electrical appliances such as auto-electric iron, electric kettle, ceiling/table fan, desert cooler etc.. Demonstration of dismantling, servicing & reassembling of table/ceiling fan , air cooler, auto electric iron, heater etc..</p> <p>Job 3: Dismantling, servicing reassembling of any of the above electric appliances, finding faults with series testing lamps & multi-meter</p>
				28 th	<p>Testing & reversing direction of rotation of single phase & 3 Phase motors.</p> <p>Job 4: Acceptance Testing of single phase/ three phase motor by using volt meter, ammeter & tacho-meter.</p> <p>Job 5: Reversing direction of rotation of single phase & three phase motor.</p>
15 th				29 th	3 rd - Seasonal Test
				30 th	