

As Per DGET Revised Syllabus -Annexure-A

Craftsman Training Scheme

Industrial Training Institute,

Engineering Drawing

Splitup Syllabus

Second Year

All Engineering Trades



Name Of the ITI :-

Name Of The Instructor :-

Engineering Drawing 2nd Year Spiltup Syllabus

CTS Trades Covered: Fitter, Turner, Machinist, Machinist Grinder, Mechanic Machine Tool Maintenance, Operator Advance Machine Tool, TDM (D&M), TDM (J&F), Mechanic Mining Machinery, Technician Mechatronics, Textile Mechatronics, Basic Designer & Virtual Verifier, Advanced CNC machining, Aeronautical Structure & Equipment Fitter

Sr.No.	Topic	Time in hrs.	Spiltup Hours	Proposed Date	Date Of Taken
1	Reading of drawing of nuts, bolt, screw thread, different types of locking devices e.g., Double nut, Castle nut.	6	2		
			2		
			2		
2	Reading of foundation drawing	6	2		
			2		
			2		
3	Reading of Rivets and rivetted joints, welded joints	6	2		
			2		
			2		
4	Reading of drawing of pipes and pipe joints	6	2		
			2		
			2		
5	Reading of Job Drawing ,Sectional View & Assembly view	16	2		
			2		
			2		
			2		
			2		
			2		
			2		
			2		
	Total	40	40		

Engineering Drawing 2nd Year Spiltup Syllabus

Sr.No.	Topic	Time in hrs.	Spiltup Hours	Proposed Date	Date Of Taken
CTS Trades Covered: Electrician, Wireman, Electroplater, Lift & Escalator Mechanic, Electrician Power Distribution					
1	Reading of Electrical Sign and	4	2		
			2		
2	Sketches of Electrical components	6	2		
			2		
			2		
3	Reading of Electrical wiring diagram and Layout diagram Reading of Electrical earthing diagram.	10	2		
			2		
			2		
			2		
	Drawing the schematic diagram of plate and pipe earthing.		2		
4	Drawing of Electrical circuit diagram	10	2		
			2		
			2		
			2		
			2		
5	Drawing of Block diagram of Instruments & equipment of trades	10	2		
			2		
			2		
			2		
			2		
Total		40	40		

Engineering Drawing 2nd Year Spiltup Syllabus

Sr.No.	Topic	Time in hrs.	Spiltup Hours	Proposed Date	Date Of Taken
CTS Trades Covered: Tech. Medical Electronics, Technician Mechatronics, Technician Power Electronics System, Electronics Mechanic, Mechanic Consumer Electronics Appliances, Tech. Electronic System Design & Repair					
1	Reading of Electronics Sign and	4	2		
			2		
2	Sketches of Electronics components	6	2		
			2		
			2		
3	Reading of Electronics wiring diagram and Layout diagram	6	2		
			2		
			2		
4	Drawing of Electronics circuit diagram	12	2		
			2		
			2		
			2		
			2		
5	Drawing of Block diagram of Instruments & equipment of trades	12	2		
			2		
			2		
			2		
			2		
	Total	40	40		

Engineering Drawing 2nd Year Spiltup Syllabus

Sr.No.	Topic	Time in hrs.	Spiltup Hours	Proposed Date	Date Of Taken
CTS Trades Covered: Mechanic Agricultural Machinery, Mechanic Motor Vehicle, Mechanic Electric Vehicle					
1	Reading of Electrical, Electronic & Mechanical Sign and Symbols used in Automobile.	4	2		
			2		
2	Sketches of Electrical, Electronic & Mechanical components used in Automobile.	6	2		
			2		
			2		
3	Reading of Electrical wiring diagram and Layout diagram used in	10			
			2		
			2		
			2		
			2		
			2		
4	Drawing of Electrical circuit diagram used in Automobile.	10	2		
			2		
			2		
			2		
			2		
5	Drawing of Block diagram of Instruments & equipment of trades	10	2		
			2		
			2		
			2		
			2		
	Total	40	40		

Engineering Drawing 2nd Year Spiltup Syllabus

Sr.No.	Topic	Time in hrs.	Spiltup Hours	Proposed Date	Date Of Taken
CTS Trades Covered: Refrigeration and Air conditioning & Central Air condition Plant Mechanic					
1	Reading of Electrical, Electronic & Mechanical Sign and Symbols used in RAC	4	2		
			2		
2	Sketches of Electrical, Electronic & Mechanical components used in RAC	6	2		
			2		
			2		
3	Reading of Electrical wiring diagram and Layout diagram	10	2		
			2		
			2		
			2		
			2		
4	Drawing of Electrical circuit diagram used in RAC	10	2		
			2		
			2		
			2		
			2		
5	Drawing of Block diagram of Instruments & equipment of trades	10	2		
			2		
			2		
			2		
			2		
	Total	40	40		

Engineering Drawing 2nd Year Spiltup Syllabus

Sr.No.	Topic	Time in hrs.	Spiltup Hours	Proposed Date	Date Of Taken
CTS Trades Covered: Marine Fitter					
1	Reading of drawing of nuts, bolt, screw thread, different types of locking devices e.g., Double nut, Castle nut, Pin, etc.	10	2		
			2		
			2		
			2		
			2		
2	Reading of Rivets and rivetted joints, welded joints	10	2		
			2		
			2		
			2		
			2		
3	Reading of drawing of pipes and pipe joints	10	2		
			2		
			2		
			2		
			2		
4	Reading of Job Drawing & Assembly view	10	2		
			2		
			2		
			2		
			2		
	Total	40			

No Syllabus for Engineering Drawing 2nd Year For Following Trades

1	Group 28 - Engineering Drawing
	CTS Trades Covered: Refractory Technician
	2nd Year Engg. Drawing not required.
2	Group 29 - Engineering Drawing
	CTS Trades Covered: Vessel Navigator
	2nd Year Engg. Drawing not required.
3	CTS Trades Covered: Instrument Mechanic (Chemical Plant), Attendant Operator (Chemical Plant), Laboratory Attendant (Chemical Plant), Maintenance Mechanic (Chemical Plant)
	2nd Year Engg. Drawing not required.
4	Group 22 - Engineering Drawing
	CTS Trades Covered: Spinning Technician, Textile wet processing Technician, Weaving
	2nd Year Engg. Drawing not required.
5	Group 23 - Engineering Drawing
	CTS Trades Covered: Information and Communication Technology System Maintenance, Information Technology
	2nd Year Engg. Drawing not required.
6	Group 26 - Engineering Drawing
	CTS Trades Covered: Painter (General)
	2nd Year Engg. Drawing not required.