



Vocational Training

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Intake Notice: IT Scholarship Project (Round-41) আবেদনের শেষ তারিখ: ২৬ ফেব্রুয়ারি ২০১৯ ক্লাস শুরুর তারিখ: ১৮ মার্চ ২০১৯ Apply Now ... [Read more](#)

IT Scholarship Project (Round-41)



Electronics Trade



IDB-BISEW Vocational Training Project

Trade-Electronics

Duration: 24 weeks or 144 days or 720 hours

Week	Theory/ Practical	1 st Day	2 nd Day	3 rd Day	4 th Day	5 th Day	6 th Day
1	Theory	-Difference between Electronics & Electrical	-Job Opportunity	-Workshop Safety & Environment	-Define: Voltage, Current, Electricity	-Define: Conductor, Semiconductor, Insulator	-Define: AC & DC Voltage
	Practical	-Identify Common Electronics Tools	-Identify Common Electronics Tools	-Identify Common Electronics Components	-Identify Electronics Measuring Instruments	-Application of Digital & Analogue AVO/ Multi Meter	-Measure AC & DC Voltage by using AVO Meter & Oscilloscope
		Class 1	Class 2	Class 3	Class 4	Class 5	Class 6
2	Theory	-Electrical & Electronics Symbol	-Meaning of Soldering & De-Soldering -Soldering Materials -Safety	-Define: Series & Parallel	-Define: Cell & Battery	-Difference Between Resistor, Resistance & Register	-Determine the Value of Different Resistor with the Help of Color Code
	Practical	-Draw Electrical & Electronics Symbol	-Practice Soldering & De-Soldering	-Practice Soldering & De-Soldering	-Identify Polarity of Battery and Measure the Total Voltage	-Identify Different Types of Resistor	-Measure & Test the Resistance by Using AVO Meter
		Class 7	Class 8	Class 9	Class 10	Class 11	Class 12
3	Theory	-Determine the Value of Different Resistor with the Help of Color Code	-Determine the Value of Different Resistor with the Help of Color Code	-Define: Capacitor & Capacitance	-Determine the Value of Different Capacitor with the Help of Color Code	-Determine the Value of Different Capacitor with the Help of Color Code	-Define: Electron, Hole & PN Junction Diode/ Rectifier
	Practical	-Measure & Test the Resistance by Using AVO Meter	-Measure & Test the Resistance by Using AVO Meter	-Identify Different Types of Capacitor	-Test of Capacitor Using AVO Meter	-Test of Capacitor Using AVO Meter	-Polarity Test of Diode Using Digital & Analogue AVO Meter
		Class 13	Class 14	Class 15	Class 16	Class 17	Class 18
4	Theory	-Define: Transistor (PNP & NPN)	-Define: SCR, TRIAC & MOSFET	-Define: Transformer	-Define: House Wiring -Difference Between 220V & 440V	-Define: Ballast & Starter	-Define: Ohms Law($V=IR$) -Electrical Power ($P=VI$ *Power Factor)
	Practical	-Test of PNP & NPN Transistor Using Digital & Analog AVO Meter	-Test of SCR, TRIAC & MOSFET	-Test of primary and Secondary coil of a Transformer	-Complete a House Wiring	-Tube Light Sating - Fan Sating	-Complete a Series Bord -Practice For 1st Exam



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ভোকেশনাল ট্রেনিং (রাউন্ড-২১)



অনলাইনে আবেদন করুন



		Class 19	Class 20	Class 21	Class 22	Class 23	Class 24
5	Theory	-Define: Half Wave & Full Wave Rectification	-Define: IC & Voltage Regulator IC Use Of 78xx IC	-Define: LED	-Draw Circuit Diagram Of Series & Parallel LED, Resistor, Capacitor, Battery	-	-Using Of Vero Bord
	Practical	-Complete Half Wave & Center Tap Full Wave Rectification Circuit	-Complete Circuit for Fixed Voltage (5,6,8,9,12V) Using 78xx IC	-LED Resistance Calculation	-Complete The Series & Parallel Circuit Of LED, Resistor, Capacitor, Battery & Measure Output	- Complete a Transistor Switching	-Complete a Bridge Rectifier Circuit Using Vero Bord
		Class 25	Class 26	Class 27	Class 28	Class 29	Class 30
6	Theory	-Define: Relay	-	-	-	-	-
	Practical	-Complete a Switching Circuit Using Relay	-Complete a Door Indicator Circuit Using SCR	-Complete a Calling Bell Circuit Using HA66T19 IC	-Complete a Emergency Light Circuit Using 7808 IC	-Complete a Emergency Light Circuit Using 7808 IC	-- Complete a DC Motor Controller Circuit
		Class 31	Class 32	Class 33	Class 34	Class 35	Class 36
7	Theory	-	-	-	-	-Identification of Different Parts of CFL	-Define: Logic Gate
	Practical	-Complete a Multi Vibrator Circuit	-Complete a Auto Street Lamp Controller Circuit	-Complete a Touch Switch Circuit Using 9014 & 9012 Transistor	-Complete a Audio Amplifier Circuit Using 2030 IC	-CFL Repairing	-Using of Logic Gate IC
		Class 37	Class 38	Class 39	Class 40	Class 41	Class 42
8	Theory	-Define: Clock Circuit	-Define: Timer Circuit	-Define: Ring Counter	-	-	-
	Practical	-Complete a Clock Circuit Using 555 IC	-Complete a Timer Circuit	-Complete a Automatic Ring Counter Circuit Using 4017 & 555 IC	-Complete a Automatic Ring Counter Circuit Using 4017 & 555 IC	-Complete a Multi Sound Calling Bell Circuit Using 3482 IC	-Practice All Circuit For 2 nd Exam
		Class 43	Class 44	Class 45	Class 46	Class 47	Class 48
9	Theory	-Define: TV -TV Broadcasting System	-	-	-Define: Picture Tube	-	-
	Practical	-Open & Close the Back Cover Of CTV	-Identify the Different parts of CTV	-Identify the Measure Components of CTV	-Identify Different Parts Of Picture Tube	-CTV Assembling	-CTV Assembling
		Class 49	Class 50	Class 51	Class 52	Class 53	Class 54
10	Theory	-Define: Chopper	-Define: Flyback Transformer	-	-Define: RGB Color	-	-Define: Vertical & Horizontal Section

	Practical	-Measure the Voltage of Power Section	-Measure the Flyback Voltage	-Measure the Flyback Voltage	-Measure Picture Tube Base Bord Voltage	-Measure Picture Tube Base Bord Voltage	-Measure Input & Output Voltage of Vertical & Horizontal Section
		Class 55	Class 56	Class 57	Class 58	Class 59	Class 60
11	Theory	- Define: Tuning, IF, RF, AGC, VHF, VLF, UHF	-	-Define: IR, Sensor	-Define: Raster, Pixel, Resulation, Brightness, Contrast,	-Define: Screen & Focus Voltage -Troubleshooting of Flyback	-
	Practical	-Measure The Voltage of Tuning Section	-Measure The Voltage of Tuning Section	-Measure Sensor Output Voltage	Troubleshooting of Picture Tube	-Flyback EHT Cable & Cap Repairing	-Troubleshooting of Tuner Section
		Class 61	Class 62	Class 63	Class 64	Class 65	Class 66
12	Theory	-	-	-	-	-	-
	Practical	-Troubleshooting of Vertical & Horizontal Section	-Troubleshooting of Video Section	-Troubleshooting of Audio Section	-Troubleshooting of Power Section	-Troubleshooting of Power Section	-Troubleshooting of Power Section Practice for 3 rd Exam
		Class 67	Class 68	Class 69	Class 70	Class 71	Class 72
13	Theory	-	-	-	-	-	-
	Practical	-Troubleshooting of Power Section	-Troubleshooting of Power Section	-Troubleshooting of Power Section	-Troubleshooting of CTV Remote	-Remote Function & Factory Sating	-Remote Function & Factory Sating
		Class 73	Class 74	Class 75	Class 76	Class 77	Class 78
14	Theory	-Define: LCD TV	-	-Define: LED TV -Difference Between LCD & LED	-	-	-
	Practical	-LCD TV Assembling	-LCD TV Assembling	-LED TV Assembling	-LED TV Assembling	-LCD & LED Troubleshooting	-LCD & LED Troubleshooting Half Month Exam on All TV
		Class 79	Class 80	Class 81	Class 82	Class 83	Class 84
15	Theory	-Define: Mobile	-	-Difference Between Feature Phone & Android Phone	-Difference Between Feature Phone & Android Phone	-	-
	Practical	-Using Different Function of Mobile	- Using Different Function of Mobile	-Mobile Assembling	-Mobile Assembling	-Identify Different Parts of Components of Mobile	-Identify Different Section and Measure Problem of Mobile
		Class 85	Class 86	Class 87	Class 88	Class 89	Class 90
		-	-	-	-	-	-

16	Theory						
	Practical	-Identify Different Section and Measure Problem of Mobile	-Identify Different Section and Measure Problem of Mobile	-Identify Different Section and Measure Problem of Mobile	-Troubleshooting of Mobile	-Troubleshooting of Mobile	-Troubleshooting of Mobile Practice for 4 th Exam
		Class 91	Class 92	Class 93	Class 94	Class 95	Class 96
17	Theory	-	-	-	-	-	-
	Practical	-Troubleshooting of Mobile	-Troubleshooting of Mobile	-Troubleshooting of Mobile	-Troubleshooting of Mobile	-Troubleshooting of Mobile	-Flash System of Mobile
		Class 97	Class 98	Class 99	Class 100	Class 101	Class 102
18	Theory	-Define: Solar Energy, Solar Cell & Solar Panel	-Calculation Between Battery, Panel & Load	-	-	-	-
	Practical	-Connection of Solar Controller	-Connection of Solar Controller	-House Wiring of Solar System	-Assembling of Solar Light & Fan	-Assembling of Solar Light & Fan	-Solar Mobile Charger Connection
		Class 103	Class 104	Class 105	Class 106	Class 107	Class 108
19	Theory	-Define IPS	-	-	-	-Calculation of Transformer Winding	-
	Practical	-IPS Assembling	-IPS Assembling	-IPS Assembling	-IPS Assembling	-Install IPS Transformer	-Install IPS Transformer
		Class 109	Class 110	Class 111	Class 112	Class 113	Class 114
20	Theory	-	-	-Define: UPS -Difference Between IPS & UPS	-Define: Voltage Stabilizer	-	-
	Practical	-IPS Troubleshooting	-IPS Troubleshooting	-Assembling and Troubleshooting of UPS	-Assembling of Voltage Stabilizer	-Assembling of Voltage Stabilizer	-Voltage Stabilizer Troubleshooting Practice for 5 th Exam
		Class 115	Class 116	Class 117	Class 118	Class 119	Class 120
21	Theory	-Define: CD & DVD -Difference Between CD & DVD Player	-	-	-	-	-
	Practical	-Assembling DVD Player	-Assembling DVD Player	-Troubleshooting of DVD Player	-Troubleshooting of DVD Player	-Troubleshooting of DVD Player	-Troubleshooting of DVD Player

		Class 121	Class 122	Class 123	Class 124	Class 125	Class 126
22	Theory	-	-	-	-	-	-
	Practical	-Training on Industrial Electronics Equipments	-Training on Industrial Electronics Equipments	-Training on Industrial Electronics Equipments	-Training on Industrial Electronics Equipments	-Training on Industrial Electronics Equipments	-Training on Industrial Electronics Equipments
		Class 127	Class 128	Class 129	Class 130	Class 131	Class 132
23	Theory	-	-	-	-	-	-
	Practical	-On the Job Training	-On the Job Training	-On the Job Training	-On the Job Training	-On the Job Training	-On the Job Training
		Class 133	Class 134	Class 135	Class 136	Class 137	Class 138
24	Theory						
	Practical	-On the Job Training	-On the Job Training	-On the Job Training	-On the Job Training	-On the Job Training	-Practice for 6 th Exam
		Class 139	Class 140	Class 141	Class 142	Class 143	Class 144