

BILL OF MATERIAL REQUIRED FOR EACH TRAINEE OF ALL INDIA TRADE TEST FOR ADVANCED MODULES UNDER THE SCHEME “CENTRE OF EXCELLENCE (COE)” TO BE HELD IN THE MONTH OF FEBRUARY, 2020.

Sl. No.	NAME OF SECTOR	CODE OF MODULE	BILL OF MATERIALS
03	AUTOMOBILE	AAT-01	i) A vehicle with petrol engine, ii) Tools/equipments and may be required by candidate for attending the practice.
		AAT-02	i) A vehicle with Diesel engine. ii) Necessary tools required for the above practical.
		AAT-03	i) Tools and equipment : As per STL. ii) Kerosene oil, Cotton waste/old dhoti :As per requirement iii) Oil, Grease and Consumable spares :As per requirement iv) Carbon brush set, Cotton tape etc. v) A vehicle with petrol engine/diesel engine.
		AAT-04	i) Tools and equipment : As per STL. ii) Diesel oil :As per requirement iii) Kerosene oil for cleaning iv) Steering gearbox v) Cotton waste vi) A vehicle with Diesel engine
		AAT-05	i) Old vehicle with damage bonnet ii) A leaking radiator.
07	ELECTRICAL	EAT - 01	i) Washing Machine : 01No. ii) Domestic steam Iron : 01No. iii) Vacuum cleaners : 01No. iv) Multimeter : 01No.
		EAT - 02	i) Single phase energy meter. ii) Cables and wires. iii) Connectors. iv) Stop clock v) Watt meter, Volt meter, Ammeter vi) Single phase transformer, Voltmeter AC vii) Megger, cables, testing lamp etc.
		EAT- 03	i) Defective Emergency Battery ii) Multimeter iii) Bulb Tester iv) Copper & Aluminium Cable v) Megger
09	FABRICATION (FITTING & WELDING)	FAT- 01	i) M.S. Sheet size 150 x 100 x 5 mm : 1 No. M.S. Sheet size 150 x 50 x 5 mm : 02 Nos. ii) Aluminium size 150 x 100 x 2 mm : 1 No. Aluminium size 150 x 50 x 2 mm : 02 Nos.
		FAT-03	i) M.S. Flat of Size 225mm x 50mm x 10mm : 1 Piece. ii) M.S. Flat of Size 100mm x 50mm x 3mm : 1 Piece.
		FAT-04	i) MS Pipe Ø50mm x 310mm : 1 Piece. ii) M.S. sheet 150mm x 60mm x 2mm : 1 Piece.

11	HOSPITALITY MANAGEMENT	HAT -01	i) Assorted Vegetables (Carrot, Potato, Capsicum, Cucumber, Tomato, peas, bans etc). ii) Chesse iii) Bread iv) Mutton v) Paneer vi) Rice vii) Fresh cream viii) Dry fruits ix) All indian spices & seasonings. x) Different herbs xi) Milk xii) Flour xiii) Sugar xiv) Oil etc.
		HAT -02	i) As per approved syllabus.
		HAT-03	i) Orange : 2 kg. ii) Sugar : 1kg. iii) Essence : As required iv) Presevative : As required v) Malt : As required vi) Mint leaves : As required vii) Dry mango seasoning.
13	INFORMATION TECHNOLOGY	ITAT-01	i) Monitors (Flat and Plasma) ii) PCI and AGP display cards of different makes and VRAM capacity iii) Spare monitor cables and connectors iv) Radiation measuring meter v) Internal PCI modems at least four different makes & types vi) External modems of at least four different makes & types vii) ISDN modem with ISDN connection viii) Cable, ADSL and wireless modem ix) Four different types and makes of scanners, web camera, for dismantling, demonstration, reassembly and trouble shooting practice x) Digozers and joysticks xi) Two different types of note book computers of different type and make along with technical manual. xii) Spare memory, Processor, Cables, Connectors, Power pack, Battery.

		ITAT-02	<ul style="list-style-type: none"> i) Computer system ii) TCP/IP utilities and services iii) Net working components such as hubs, switches, bridges etc. iv) Windows 2000/2003. Server along with clients v) Window operating system software CD window driver software CD vi) Computer network with internet connectivity vii) Computer network along with advance net working cables and connections RJ45
		ITAT-03	<ul style="list-style-type: none"> i) Desktop Computer with printer & Internet connection
17	PROCESS PLANT MAINTENANCE	PPMAT -01	<ul style="list-style-type: none"> i) Vertical tube evaporator set up, sodium carbonate, thermometer, feed tank with rotameter, condensed collecting tank, mini boiler, stop clock, measuring cylinder, compressed air ii) Tray drier apparatus, air circulating blower and heater, watch to measure times, 50 gms., of CaCO₃ weights in the range of 2 gms. 80 ml. of water iii) A stop watch, a graduated cylinder and Reynolds apparatus, Potassium permanganate (to give brightly reddish color streak), thermometer, measuring tank iv) Kettle, mould, fat (vegetable oil/olive oil/coconut oil), Lye (Potassium hydroxide/sodium hydroxide) additives for colour and scent
18	PRODUCTION & MANUFACTURING	PMAT -01	<ul style="list-style-type: none"> i) M.S. Round \varnothing 45mm x 110mm : 01 No. ii) Cutting tools : As required iii) Measuring instruments : As required iv) Cotton waste : As required v) CNC lathe machine etc. : As required
		PMAT -03	<ul style="list-style-type: none"> i) Hydraulic Vane Pump : 1 No. ii) Desktop Computer, Inductance, Capacitance & Optical sensor
		PMAT -04	<ul style="list-style-type: none"> i) Micrometer - Optical flat ii) Mono chromatic light source iii) V-Block iv) Cylindrical Rollers.
		PMAT -05	<ul style="list-style-type: none"> i) Pre machined M.S. Plate 70mm x 35mm x 30mm : 01 No. ii) M.S. Rod \varnothing25 mm x 60 mm : 01 No.
		PMAT -06	<ul style="list-style-type: none"> i) MS Pipe 50mm x 185mm : 01 No. ii) MS Plate 150 mm x 50 mm x 10 mm : 02 Nos. iii) Electric Arc welding set with accessories : 01 No.

Note:* All the Tools, Instruments & Equipments as per the syllabus of the respective Advanced module must be kept ready.
