



Order No. 1540 AITT/Dt. 12/11/2020
VT-XVI-II/2019

From,
Shri S. K. Mishra,
Controller of Examinations.

To
The Principal,
All Govt. & Private ITI s of Odisha .

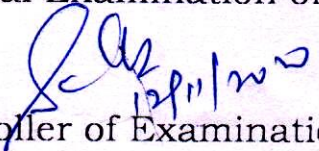
Sub: Bill of Materials for Practical Examination of AITT Nov-2020.

Ref: DGT Letter No MSDE-18011/08/CTS/Jan-20/2019-TTC dated
22.10.2020 and dated 23.10.2020

Sir,

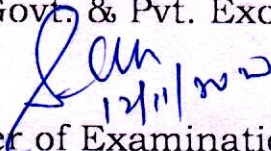
In inviting reference to the DGT letters on the subject cited above, I am to say that the AITT under CTS Examination (DST/Annual in Annual System and DST/Semester in Semester System) for Practical & Engineering Drawing Subjects have been scheduled with effect from 23rd Novemeber-2020.

In view of the above the Bill of Materials of different Trades are enclosed herewith for smooth conduct of Practical Examination of AITT Nov-2020 at different TTC s.


Controller of Examinations

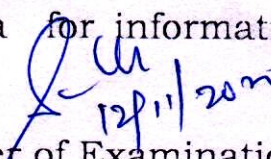
Memo No. 1541 /AITT/Dt. 12/11/2020

Copy to the Principals of All the ITI s of Odisha (Both Govt. & Pvt. Except Nodal Govt. ITI s) for information & necessary action.


Controller of Examinations

Memo No. 1542 /AITT/Dt. 12/11/2020

Copy to Dy. Controller of Exams , SCTE&VT ,Odisha for information & necessary action.


Controller of Examinations

1st SEMESTER BILL OF MATERIAL FOR AITT PRACTICAL EXAMINATION UNDER CTS TO BE HELD
IN THE MONTH OF NOVEMBER-2020

WIREMAN

1. Rheostat-20 Ohms 3.7 amp
2. DC variable supply 0-30V 2 amp
3. SP switch 6 amp 250 v
4. Resistor 10 Ω , 20 Ω , 50 Ω , 5 watt
5. B.C batten holder 6A, 250V
6. SPT switch 6A, 250 V
7. PVC copper wire 2.5 Sqmm
8. Wooden Board (8x10)"
9. 3-pin socket 6A 250 V
10. Kitkat fuse f/t 6A 250 V
11. Indicator 6A 250 V
12. Voltmeter MI 0-600 V

ELECTRONIC MECH.

1. DIODE-IN4007
2. PCB
3. SMPS
4. CRO

ELECTRICIAN

1. Intermediate switch
2. 4/4 board
3. 40w Induction Choke
4. 2 way Switch
5. Electrolytic capacitor
6. 100W lamp
7. pendant holder
8. Resistors (variable values)
9. Connecting wires

FITTER

1. Fe310, 75 ISF 8 – 90

2. M/S Flat – 75x90x8mm

MMV

1:- solder – 2 coils

2:-Outside micro-meter – (50mm-100mm)

3:-Feeler Gauge –(1mm-100mm)

4:- Digital Multimeter – 2 nos

TURNER

1. Fe 310 Ø 50 X 45 MM

WELDER

1. M.S PLATE (150 x 50 x 10)mm

2. M.S PLATE (150 x 50 x 10)mm

ICTSM

1. Resistrors

2. Capacitors

3. varro Board

4. DMM

5. Regulated IC-7806

6. Transformer- 6-0-6 V

Mechanic RAC

1. Refrigerant -HC-600a

2. Frost free Refrigerator

3. Direct cool Refrigerator

**2ND SEMESTER BILL OF MATERIAL FOR AITT PRACTICAL EXAMINATION UNDER CTS TO BE
HELD IN THE MONTH OF NOVEMBER-2020**

ELECTRICIAN

- 1 8*10 TW board with plate
- 2 5 pin socket 6 amp
- 3 Twoway switch
- 4 inductor
- 5 fuse 6 amp
- 6 lamp holder
- 7 1.5 sq mm copper wire
- 8 watt meter 1.5 kw

ELECTRONIC MECH.

1. Varrow Board
2. Bread Board
3. Transformer (12-0-12)
4. Capacitor 0.1 micro farad
5. Resistors 1 Kohm
6. Connecting Wires
7. Logic gates ICS

ICTSM

1. Desktop PC
2. Windows 7/Xp OS CD
3. Blank CD/DVD/USB

MMV

- 1.Engine
2. Micrometer (O/s & I/S)
3. Injector
4. Injector Testing Machine

MECHANIC RAC

- 1.Refregerant R-22
- 2.Split air conditioner -1no

3. Window airconditioner-1 No

WELDER

1. M.S PLATE –(150 X 50 X 10) mm2 Nos
2. Aluminum sheet-(150 x 50 x 1.6) mm..... 2 Nos

DM CIVIL

- 1.Drawing sheets
- 2.pencil
- 3.Eraser
- 4.Cello tape
- 5.Auto cad (software)

DM MECHANICAL

- 1.Drawing sheets
- 2.Pencil
- 3.Eraser
4. Cello tape

AOCP

- 1.PTEE Gasket (non-metallic) -30nos

FITTER

1. MS FLAT 75*50*10mm -2Nos for each student.

TURNER

1. Fe 310 \varnothing 45 X 150, \varnothing 45 X 35

MECHANIC TRACTOR

1. M.s Flat-50*10
2. Fuel Filter
3. Engine Oil
4. Packing Kit

CARPENTER

1. Hard wood 26mm X 200mm X 230 mm – 1.No
2. Hard wood 26mm X 50mm X 200 mm – 2.Nos
3. Fevicol as 20g.

INDUSTRIAL PAINTER

- (a) M.S Flat (50 mm.)
- (b) Arc Electrode
- (c) G.I.Sheet
- (d) Sand Paper
- (e) Red Oxide
- (f) N.C.Thinner

INSTRUMENT MECHANIC

- i) Different type of Logic Gate Ics and Digital trainer kit
- ii) OP-AMP Trainer
- iii) Discrete Trainer
- iv) Trainer kit of Flip-Flop
- v) Transistors (FET, MOSFET)
- vi) Digital Multimeter
- vii) Transistor tester
- viii) IC Tester
- ix) Microprocessor Trainer kit
- x) Diodes
- xi) Regulated DC Power supply

MARINE ENGINE FITTER

1. Cotton waste- As required
2. Kerosene – As required
3. Emery paper- As required.
4. Spare parts as per requirement
5. Solder Wire
6. Flux

MECHANIC MECHATRONICS

1. M.S Rod dia (54x115) mm

PLUMBER

1. Wash basin, Pillar tap, PVC connector, waste coupling, rag bolt , rubber plug, chain, plaster of Paris
2. ½ "Ø G.I pipe & ½ "Ø sockets
3. ½ "Ø copper pipe & ½ "Ø elbow

SURVEYOR

- 1.Chain & Accessory
- 2.Prismatic Compass and Accessory
- 3.Plan table and Accessory
- 4.Dumb level and Accessory
- 5.Drawing sheet
- 6.Pencil (HB)
- 7.Pencil (Extra black)
- 8.Eraser
- 9.Cello tape
- 10.White paper

MECHANIC DIESEL

- 1.Mobil -5 Ltr
- 2.Grease -1 Kg
3. Kerosene -1 Ltr
- 4.Wastage Cotton
- 5.Emery Paper
- 6.Try
- 7.Gasket (Head)

DRESS MAKING

1. Poplin/Shirt cloth – 2m
2. Matching Thread- 2 no
3. Canvas – 25 cm
4. Nylon Button – 8 nos
5. Tool kit – 1 no
6. Brown paper/ pattern paper – 2 nos

TOOL&DIE MAKER

1. MS Flat 55 × 55 × 10 mm.—01no.

COPA

1. Desk Top with O.S
2. Web Browser
3. CD Hard drive

SEWING TECHNOLOGY

1. Poplin/Shirt cloth – 2m
2. Matching Thread- 2 no
3. Canvas – 25 cm
4. Nylon Button – 8 nos
5. Tool kit – 1 no
6. Brown paper/ pattern paper – 2 nos

PAINTER GENERAL

1. ply wood
2. Sand paper
3. paint
4. Drawing sheet
5. Black Ink
6. Paint
7. Corded metal

3RD SEMESTER BILL OF MATERIAL FOR AITT PRACTICAL EXAMINATION UNDER CTS TO BE HELD
IN THE MONTH OF NOVEMBER-2020

ELECTRICIAN

- 1 DOL Starter
- 2 HPMV Lamp
- 3 HPSV Lamp

MECHANIC RAC

1. R-134a Refrigerant
2. Copper tube
3. Tube for gas charging
4. Glue
5. Cutter

ELECTRONIC MECHANICS

1. Microcontroller kit
2. Thermocouple
3. leds
4. Resistors
5. Audino

AOCP

- 1.MILD STEEL ROD OF DIAMETER 40 MM X LENGTH 145 MM 1 NO.

TOOL & DIE MAKER

- 1.MS Flat 75 × 50 × 10mm.—02 nos.

DM MECHANICAL

- 1.Pencil
- 2.Eraser
- 3.drafter

TWPT

- 1.Silk yarn
- 2.Cotton yarn (bleached)
- 3.Acid dye stuff
- 4.Sodium sulphate
- 5.Acetic acid
- 6.Reactive dye stuff
- 7.Sodium carbonate
- 8.Sodium chloride

DM CIVIL

1. DRAWING SHEET
2. CELLO TAPE
3. ERASER
4. MINI DRAFTER
5. PENCIL (H,HB ,2H)
6. SHARPNER
7. SAND PAPER

MACHINIST

1. Cast Iron Block-45*25*35-1pc

MECHANIC MECHATRONIC

1. M.S Rod dia (26x105) mm each I No

MMV

- 1.Tray -1 nos
2. Suspension over hauling kit/Rubber bush kit -1Set
3. Grease as required
4. Petrol/Diesel - as required
5. Cotton waste – As required
6. Emery Paper – As required
- 7.Tray -1 nos
8. Universal joint – 2 sets
9. Grease- as required
10. Diesel - as required

11. Cotton waste – As required

12. Emery Paper – As required

PAINTER GENERAL

1. Paint

2. Exterior emulsion

3. G.I Sheet 4. Sandpaper 5. Red oxide 6. Paint 7. Thinner

TURNER

1. MS ROD \varnothing 35 X 130 L

FITTER

1. Fe -360 / 08 X 45 X 55 MM³

2. Fe -360 / 08 X 40 X 40 MM³

ICTSM

1. Desktop PC

2. Phone gap software

3. Laptop

4. LCD projector

WIREMAN

1. Star –Delta Starter

2. $3.\varnothing$ sq cage Induction motor

3. Ammeter (AC). (0-3A)

4. PVC Connection wire -1.5mm²

5. Transformer 12-0-12 V

6. Diode -1N4007

7. Electrolyte Capacitor -1600 MF

8. Inductor (Choke)

9. Load Resistance

10. Voltmeter –DC –(0.300)V -1 No

11. Ammeter –DC- (0-1)a -1No

12. Rheostat - 250 Ω ,5A -1No

13. Rheostat -1.7 A , 300 Ω -1No

14. Connecting wire -1.5 mm²

INSTRUMENT MECHANIC

1. Bourdon tube pressure gauge.
2. Screw driver
3. Watchmaker screw driver
4. Clean brush
5. Immersion heater
6. Vessel or breaker
7. Glass thermometer
8. Thermocouple
9. Milli voltmeter
10. Temperature sensor trainer kit
11. Water bucket(V-NOTCH) type
12. Hook type level indicator
13. Vernier sliding level scale

**4TH SEMESTER BILL OF MATERIAL FOR AITT PRACTICAL EXAMINATION UNDER CTS TO BE HELD
IN THE MONTH OF NOVEMBER-DECEMBER-2020**

FITTER

90 X 60 X 8 MM AND 78 X 45 X 8 MM

ELECTRICIAN

1. P. V. C insulated stranded copper cable(2.5sq. Mm)-6m
- 2 I.C.T.P switch 16A ,415V-1No
- 3 Connecting cable - As per required
- 4 Test lamp (100w) -01 No

ELECTRONIC MECH.

1. Crimping tool
2. M C B
3. F E T (any value)
4. Micro controller I C (8051) - 2 No.
5. Capacitor-30 mf -12No.
6. Crystal oscillator (1-20 mhz) - 5No.
7. Rivet
8. I C 555 - 2No.
9. Seven segment display -5No.
10. I C 7447 - 2No.
11. I C 7490 - 5No.

MMV

- 1.Motor vehicle (Diesel)
- 2.Multimeter

WIREMAN

- | | |
|--------------------------------------|--------|
| 1. Star delta Starter | 01 no |
| 2. shackle insulator | 01 no |
| 3. Bare Aluminium Standard Wire 7/12 | 01 mt |
| 4. Watt meter 250V, 5A | 02 no |
| 5. Voltmeter MI 0-300 V | 02 nos |
| 6. Ammeter MI 0-10 A | 02 nos |
| 7. Connecting lead as required | |

ICTSM

1. PC 4 Nos
2. LAN Switch 1 No
3. Cat 6 Cable As required
4. RJ-45 Connector 1 No
5. Crimping Tool 1 No
6. Modem, Router, Switch, Access Point, WiFi Adapter,- Each 1No

MECHANIC RAC

- 1 GAS R-22

AOCP

- (i)LimePowder-10kg
- (ii)DistilledWater-50ltr

DM CIVIL

- 1:- Drawing sheets
- 2:- Pencil
- 3:- Eraser
- 4:- cello tape

TOOL &DIE MAKER

- 1:- M.S. Round Bar Φ 40mm \times L 70 mm – 1 pc. (For each Trainee)
- 2 :- M.S. Flat 110mm \times 80 mm \times 25mm – 1 pc. (For each Trainee) 3:- M.S. Square Bar 45mm \times L 80 mm – 1 pc. (For each Trainee)
- 4:- M.S. Square Bar 45 mm \times L 45 mm – 1 pc. (For each Trainee)

TURNER

- 1:- M.S. Round Bar Φ 50mm \times L 125 mm – 1 pc. (For each Trainee) 2 :- M.S. Round Bar Φ 45mm \times L 80 mm – 1 pc. (For each Trainee) 3:-M.S. Round Bar Φ 40mm \times L 165 mm – 1 pc.(For each Trainee) 4:- M.S. Round Bar Φ 50 mm \times L 50 mm – 1 pc. (For each Trainee)

MCH

- 1 UTP Lan cable
- 2 RJ45 Connectors
- 3 Windows 8/7 OS

MECHANIC CONSUMER ELECTRONICS

1. Microphones
2. Speakers
3. Antivirus software
4. Personal Computer
5. Camcorder

6. Printer.

MMTM

1. MS Rod- 35 x 75 mm

MACHINIST

1. CAST IRON
BLOCK (100X60X60) mm 1NO

TWPT

1. Cotton fabric 0.25 meter for each.
2. Cotton polyester blended fabric 0.25 meter for each
3. Vat dye colorant for screen printing
4. Screen printing machine.
5. HTHP dyeing machine
6. Disperse dye stuff.
7. Carrier
8. Acetic acid
9. Dispersing agent
10. Leveling agent.

PAINTER GENERAL

1. Enamel paint – 3 Ltr.
2. Thinner - 4 Ltr
3. Red Oxide Primer - 2Ltr
4. Metal Putty - ½ Kg
5. Sand Paper
Water proof - 180,250,320 Nos – 10 pcs
Dry sand paper – 60,80,120 Nos – 10 pcs
6. Sanding pad – 5 pcs
7. Varnish – ½ Ltr.
8. Writing Brush – 8,7,10 Nos (Krishnairon)

INSTRUMENT MECHANIC

1. Thermocouple
2. PLC Trainer kit
3. Smart Transmitter
4. HART communicator
5. Multimeter

MECHANIC MECHATRONICS

1. Diode 1N4007

- =2nos.
2. 300 ohm = 1no.
 3. Resister 1Kohm =
1no
 4. LED Red 5mm = 02
nos.
 5. IC (7432) =1 no

DM MECHANIC

1. DRAWING SHEET
2. CELLO TAPE
3. ERASER
4. MINI DRAFTER
5. PENCIL (H,HB ,2H)
6. SHARPNER
7. SAND PAPER
8. SCIENTIFIC CALCULATOR

**1ST YEAR BILL OF MATERIAL FOR AITT PRACTICAL EXAMINATION UNDER CTS (YEARLY PATTERN) TO BE
HELD IN THE MONTH OF NOVEMBER-2020**

MECHANIC AUTO BODY PAINTING

1. Primer (water based) - 3 ltr
2. Hardener -500 gm
3. 2k thinner - 500 gm
4. masking paper - 1 reel
5. masking tep - 4 nos
6. Sit sand paper - 80 grit-20 nos
7. Fender panel - 20 nos

CARPENTER

- 1.Hard wood 20mm X 90mm X 300 mm – 2.Nos
- 2.Hard wood 20mm X 90mm X 160 mm – 3.Nos
- 3.Hard wood 20mm X 90mm X 80 mm – 2.Nos
- 4.Wire nail 1.1/2" 50g. Each OR Screw (35 x 8) 20.Nos
- 5.Fevicol as 50g. Each
- 6.Sand paper No. 60, 100 each 01.No.

DIESEL MECHANIC

1. Cotton waste
2. Emery paper
- 3.Packing paper
- 4.Anabond past
- 5.Thread Tap
- 6.Diesel
- 7.Engine oil

DRAUGHTSMAN CIVIL

1. DRAWING SHEET -01NO
2. CELLO TAPE – 01 NO
3. ERASER-01NO
4. MINI DRAFTER-01NO
5. PENCIL (H,HB ,2H) -01 no each
6. SHARPNER-01NO
7. SAND PAPER-01NO

ELECTRICIAN

1. Cable piece- 30 cm long each of size - 20, 18, 16, 7/22, 14/36 & 7/18
2. connecting wire (As per required)

ELECTRONIC MECH.

1. Bread board -1 no
2. CRO dual Trace -1 no
3. Resistor 1.5K Ω , 1/4 w :- 2 Nos
4. Capacitor 10 nF :- 2 Nos
5. Hook up wires- :- As Required

6. Digital Multimeter
7. Desktop PC with mouse and Keyboard

8. Bread board-1 no ,
9. Resistor 10k Ω -7 no
10. Capacitor 10nF-2 no
11. Diode 1N4007-4 Nos
12. Op-Amp, LM 324(quad OP-AMP)-1 no
13. Hook up wires-10cm
14. Resin core solder-as reqd

FITTER

1.50 ISF - 10-80mm

FOUNDRYMAN

1. Any wooden pattern.
2. Moulding equipments, sand, suitable additives and all tools.
3. Melting equipment with desired quantity of scrap for aluminium melting.
4. Fitting equipments and instruments for dimension measures.

ICTSM

1. Transformer
2. Desktop PC
3. CD Drive
4. IC-7400

MACHINIST

1. Metal:Cast iron 01
2. cast iron block 01

3.Size:75X75X75MM- NO.

MECHANIC MOTOR VEHICLE

1. Engine for dismenlting & assembling
2. Four wheel vehicle
3. Self starter

PAINTER GENERAL

1. Drawing paper
2. Poster colour
3. Art brush, 0- 5 no
4. Pvc pipe 1" as per required

PHOTOGRAPHER

1. DSLR Camera & Lenses.
2. Studio Flash & Other lights.
3. Video Camera.
4. Computer with editing software.

SEWING TECHNOLOGY

1. Shirt cloth – 2mtr 25
2. Poplin Cloth-50cm
3. Matching Thread- 2 no
4. Canvas – 25 cm
5. Nylon Button – 8 nos
6. Tool kit – 1 no
7. Brown paper/ pattern paper – 2 nos

TURNER

1. Fe 310 Ø 40 X 125 MM

WELDER

- 1.(150 x 50 x 2) mm= 2 pieces
Oxygen & Acetylene Gases

MECHANIC REPAIR AND MAINTENANCE OF HEAVY VEHICLE

1. Battery 12V
2. Distell water
3. Kerosene
4. Fuel feed pump kit

MANSON((BUILDING CONSTRUCTOR)

1. Measuring tap 30 mtr.
2. Ranging Rod
3. Chain pin
4. Fly ash
5. Cement
6. Sand
7. Bricks
8. Tray
9. Trowel

AUTO BODY REPAIR

1. Fender panel-20
2. Body filler - 4kg
3. N.C thiner - 3 ltr.
4. Slow spirit wipe - 02 ltr.
5. MS. 0.8 mm sheet -200x400 mm size

COMPUTER OPERATOR AND PROGRAMMING ASSISTANT

- 1 COMPUTER
- 2 PRINTER
- 3 SCANNER
- 4 MS-OFFICE
- 5 NOTEPAD
- 6 MOUSE 7 KEYBOARD

DRAUGHTSMAN MECH.

1. Drawing sheet
2. Drawing pencil
3. Eraser
4. Cellotape
5. Sand paper

MECHANIC AGRICULTURE MACHINERY

1. MS Rod ϕ 10 mm - 6 Kg
2. MS Flat 40 ISF 10 - 10 Kg
3. Nut & Bolt M 8 x 1.25 , 60 mm length - 72 pairs

4. Nut & Bolt M 10 x 1.5, 60 mm length

- 72 pairs

DRESS MAKING

1. Voil/Rubia cloth – 1m
2. Poplin cloth – 50 cm
3. Matching Thread
4. Paper pasting – 25 cm
5. Hooks – 8 nos
6. Brown paper – 2nos
7. Tool kit – 1 nos

PUMP OPERATOR CUM MECHANIC

1. Grease
2. Cotton Waste

PLUMBER

1. 15mm PVC pipe as required
2. 25mm PVC pipe as required
3. 25mm Elbow ,Tee,Union,Reducer Socket,water Meter,Gate Valve as required

INSTRUMENT MECHANIC

1. Vernier Caliper-150mm =1 no.
2. Hacksaw Blade-300×12.5×0.6mm,18TPI
3. File hand smooth-200mm
4. File Flat-200mm

HEALTH AND SANITARY INSPECTOR

- 1.Wood ply

MARINE ENGINE FITTER

- 1.Cotton waste
- 2.Kerosine
- 3.Lubricant oil

MECHANIC TRACTOR

1. Engine assembly
2. Cotton waste- As required
3. Battery

4. Trainees tool kit
5. Spare parts as per requirement
6. Hydrometer
7. Grease gun
8. Cylinder bore dial gauge
9. Kerosene as per required

SURVEYOR

1. Drawing sheet A3-One for Each
2. Pencil HB
3. Eraser
4. Set of scale
5. Cello Tape

MECHANIC MECHATRONICS

1. Mild Steel Flat (45x32x10)mm =2 each

DESKTOP PUBLISHING OPERATOR

1. One Personal Computer with window-7, Page Maker, Corel draw, Photoshop, MS-Office.
2. One Laser/Inkjet Printer.
3. A-4 photocopier paper for taking out prints.
4. Printed text pages for composing.
5. Internet Connection.

INDUSTRIAL PAINTER

- (a) G.I. sheet
- (b) N.C. paint
- (c) N.C. lacquer
- (d) Sand Paper
- (e) Polyester putty
- (f) Red Oxide
- (g) N.C. Thinner

IOT(SMART AGRICULTURE)

1.DSO,Signal Generator

2.Step Down

Transfromer,CTTransformer,EliminatorTransformer,DriverTransformer,IFT,Auto Transformer etc.

3.Solar PV Module

4.Soil Moisture Sensor,ArduinoUNO,Crimping Tools,RJ9/RJ11/RJ45 Connectors,LAN Cable

IOT(SMART CITY)

1.Step Down Transfromer,CTTransformer,EliminatorTransformer,DriverTransformer,IFT,Auto Transformer etc.

2.Digital Trainer Board.

3.Solar PV module,DMM

4.Common Cathode SSD,Common Anode SSD,Arduino UNO

IOT(SMART HEALTH CARE)

1.Desktop computer system

2.Digital IC trainer

3.12 lead ECG simulator trainer kit, DSO

4.Common Cathode SSD, common anode SSD, Arduino UNO

MECHANIC MACHINE TOOL MAINTENANCE

1.CI-Block-(100x100x50)MM

2ND YEAR BILL OF MATERIAL FOR AITT PRACTICAL EXAMINATION UNDER CTS (YEARLY PATTERN) TO BE HELD IN THE MONTH OF NOVEMBER-2020

DRAUGHTSMAN CIVIL

- 1.drawing sheet-01 no
- 2.Eraser - 01 no
- 3.Pencil (H and HB) -02 nos
- 4.Cellotape - 8nos per 20 trainees
- 5.Sand paper (thin particle A4 size-10 nos per 20 trainees
- 6.AUTOCAD software

DM MECHANICAL

- | | |
|------------------------|----------------------------|
| 1.Drawing sheet | 02 nos. |
| 2.Drawing pencil | H,HB,2H (01nos.) |
| 3.Erasser | 01nos |
| 4.Cellotape | 01 roll (for batch) |
| 5.Sand paper | 05 sheets (for batch) |
| 6.Computer in auto cad | 01 no. (For each trainees) |

ELECTRONIC MECHANIC

- 1 Aplifier ckt, DSO
- 2 MCB single pole, MCB double pole
- 3 Different types of electronic cables
- 4 FM radio receiver
- 5 Computer SMPS
- 6 Smartphones

MECHANIC MACHINE TOOL MAINTENANCE

- 1.MS Rod (Dia 70x100)MM

TOOL & DIE MAKER

1. 45 x 75 mm Round rod 1 piece
2. (105 x 65 x 18) mm MS flat 1 piece
(65 x 30x 12) mm MS flat 1 piece
3. (105 x 75 x 18) mm Ms flat 1 piece
(30x35) mm Round rod 1 piece

ELECTRICIAN

- | | | |
|---|---|------------|
| 1 | Sq. cage Induction motor (3hp, 440V) | 1 No. |
| 2 | Contractor with auxilaary contact NO & NC (32amp, 415V) | 2 Nos. |
| 3 | Relay & Timer | 1 No. each |

4	Push button switch	2 Nos.
5	Tachometer	1 No.
6	MCB (32 Amp)	1 No.
7	PVC wire-2.5 mm ²	As required
8	Pin insulator	1 No.
9	ACSR (7strandard)	As required

FITTER

- 1.M/S Flat (105 X 65 X 10) mm- 2 pieces

ICTSM

1	DESK TOP PC	1
2	soundcard	1
3	printer driver	1

INSTRUMENT MECHANIC

1. RTD, PT-100
2. Thermistor-NTC type
3. Thermocouple, J,T,K,R

MACHINIST

- 1 Metal:Mild steel
- 2 Mild steel plate
- 3 Size:Q1. 100X100X10mm-01 No Q2.Dia 50X105mm-01 No

MECHANIC AGRICULTUER MACHINERY

1. Mould ploug ,
2. Cotton waste- As required
3. cultivator
4. Trainees tool kit
5. Spare parts as per requirement
6. Oil Cane
7. Grease gun

MECHANIC

MECHATRONICS

1. Mild steel flat = (105* 55*12)mm = each one piece

MECHANIC RAC

1. GAS R-22
2. GAS R-134 a

MECHANIC MOTOR VEHICLE

1. Distilled water
2. Engine Oil
3. Diesel
4. kerosine
5. Cotton waste
6. Detergent
7. Sand paper (abbrasave paper)

PAINTER GENERAL

1. Drawing sheet(A3 size)
2. Poster color
3. Water color
4. Pencil

SURVEYOR

- 1 Drawing sheet A3-One for Each
- 2 Pencil HB
- 3 Eraser
- 4 Set of scale
- 5 Cello Tape

TURNER

1. M/S Flat $\varnothing 50 \times 60$

TEXTILE WET PROCESSING TECHNICIAN

- | | |
|-------------------------------|-------------|
| 1. Silk yarn- | 50 gms. |
| 2. Material for acid dyeing _ | As required |
| 3. Polyester/ coton fabric - | 1 mtr. |
| 4. Screen printing material- | As required |

WIREMAN

1	Suspension Insulator	Rod type 11K.V	1 No
2	A.C.S.R Conductor	11 K.V	As required
3	Aluminium binding wire	14 S.W.G	1 coil.
4	D.O.L Starter	10 Amp./415 V	1No
5	3 ph sq.cage induction motor	3 H.P/400 V	1No
6	I.C.T.P Main switch	16 Amp./415 V	1No
7	Permanent Capacitor motor	Ceiling Fan(48")	1No
8	Ampere meter	M.I type(0 to10 Amp)	1No
9	Volt meter	M.I type(0 to500V)	1No
10	Capacitor	2.5 M.F.D	1No
11	P.V.C Wire	2.5 Sq.mm	As required
12	P.V.C insulation tape	19mm	1 rolls
13	P.V.C Wire	1.5 sq.mm	As required
14	Fuse wire	36 S.W.G	1 rolls

ATTENDANT OPERATOR CHEMICAL PLANT

1.Centrifugal Pump - 1no

LABORATORY ASSISTANT CHEMICAL PLANT

Glass wires avail in the laboratory as burette, pipette, conical flask, measuring cylinder, watch glass, burette stand, analytical balance, spatula etc. Avail chemicals such as KOH, coconut oil, olive oil, calcium tablet, conc.H₂SO₄, HCL, filter paper (whatman). Drying oven, porcelien disse, glass rod, (NH₄)₂SO₄, FeSO₄, water bath, crystallising basin, castor oil, NaOH , rice bran oil and essence

**1ST YEAR BILL OF MATERIAL FOR AITT PRACTICAL EXAMINATION UNDER CTS(DST MODE)TO BE HELD
IN THE MONTH OF NOVEMBER-2020**

FITTER

1. 60 X 40 X 10 MM AND 60 X 40 X 10 MM

MMV

1. Cotton waste- As required
2. Kerosene – As required
3. Petrol engine

WELDER

- 1.M.S Plate : 150 x 50 x 10 mm.....2 Nos.
- 2.M.S Electrode dia. 3.15 and 4.00 mm as required

ELECTRICIAN

- 1 COPPER WIRE 7/20 sq mm
- 2 COPPER wire 1 sq mm
- 3 100W LAMP
- 4 RESISTORS -3 NOS
- 5 CONDUIT PIPE-
- 6 TWO WAY SWITCH -2NOS

MACHINIST

- 1.M.S FLAT(80x60x10)MM

TURNER

1. M.S. Rod ϕ 40 X 105 L

**2ND YEAR BILL OF MATERIAL FOR AITT PRACTICAL EXAMINATION UNDER CTS(DST MODE)TO
BE HELD IN THE MONTH OF NOVEMBER-2020**

MACHINIST

1. M S block dia (75X40X35)mm
2. M s rod dia (65X30)mm
3. M s rod dia(40X130)mm

ELECTRICIAN

- | | | |
|----|---|------------|
| 1 | Bare copper/aluminium wire 4mmdia 30cm | 2pieces |
| 2 | G.I.Wire 4mm dia 30cm | 2pieces |
| 3 | Sand paper 00 grade | 9sq.cm. |
| 4 | SP Switch 6amp 250 v | 5nos |
| 5 | Resistors 10,20,50ohms, 5watts | 02nos each |
| 6 | Resistors 20ohms, 2watt | 02nos each |
| 7 | Connecting leads 14/0.2mm | 2 |
| 8 | PVC insulated copper wires | 1coil |
| 9 | Rheostat 50ohm, 6amp | 2nos |
| 10 | Push button switch 240v, 5amp | 4nos |
| 11 | Fixed resistors 1kw, 5kw | 02nos each |
| 12 | Wire wound variable resistors 1kw, 10kw | 02nos each |

FITTER

1. MS Flat (90x65x10)mm - 1Pc
2. MS Flat (75x60x15)mm - 1Pc

MMV

- 1.washing powder
- 2.Cotton waste-as per requirement
- 3.engine oil-as per requirement