

**DRAUGHTSMAN (CIVIL)
(PRACTICAL)
(SEMESTER-IV)**

TIME: 8 HRS.

MAX MARKS: 270

BILL OF MATERIALS

1. Drawing sheet
- 2 Theodolite with stand
- 3 Dumpy level with stand

**ELECTRICAN
PRACTICAL
(SEMESTER-4)
Bill of Material**

1. Multi Meter.
2. Diodes 1N 4001 - 01 each
3. Potentiometer 570 Ω , 5w
4. SPST switch 6A 250v
5. Capacitors assorted value -05 Nos.
6. Inductors assorted value -05 Nos.
7. Resistors assorted value -05 Nos.
8. Diodes assorted value -05 Nos.
9. Transistors assorted value -05 Nos.
10. SCR assorted value -05 Nos.
11. Battery 12V
12. Copper, Aluminum conductor of 10 cm each.

**ELECTRONICS MECHANIC
(PRACTICAL)
(SEMESTER-IV)**

TIME: 8 HRS.

MAX MARKS: 270

BILL OF MATERIAL

1. LED TV trainer kit – 1Nos each .
2. Mobile phone, Smart phone, PC, Connecting cables – 1 Nos each.
3. OFC trainer kit for FM modulation and demodulation, OFC cable, connectors and connecting cable – 1 Nos each.
4. Multimeter – 2 Nos
5. Breadboard, Function generator, CRO – 1 Nos each
6. CRO probes – 4Nos
7. General Purpose PCB – 1 Nos
8. Connecting wires and Other Standard Lab Equipments as per Trade.

**FITTER
(PRACTICAL)
(SEMESTER-IV)**

TIME: 8 HRS.

MAX MARKS: 270

Bill of Material

1. M.S flat 62mm x 72mm x10mm- 01 No.

220

**INFORMATION AND COMMUNICATION TECHNOLOGY SYSTEM
MAINTENANCE
(PRACTICAL)
(SEMESTER-IV)**

TIME: 8 HRS.

MAX MARKS: 270

Bill of Material

1. Computer system with modem, internet connection.
2. Network switch, I/O Boxes, RJ 45 connectors crimping tools.

**INSTRUMENT MECHANIC
(PRACTICAL)
(SEMESTER-IV)**

TIME: 8 HRS.

MAX MARKS: 270

BILL OF MATERIAL

1. Network cable and RJ 45connectors

**MECHANIC MOTOR VEICHLE
(PRACTICAL)
(SEMESTER-IV)**

TIME: 8 HRS.

MAX MARKS: 270

BILL OF MATERIAL

1. Standard Tools, Equipments as per the syllabus must be kept ready.

**MECHANIC REFRIGERATION AND AIR CONDITIONER
(PRACTICAL)
(SEMESTER-IV)**

TIME: 8 HRS.

MAX MARKS: 270

BILL OF MATERIAL

1. Electrical components of central AC plant.

**TURNER
(PRACTICAL)
(SEMESTER-IV)**

TIME: 8 HRS.

MAX MARKS: 270

Bill of Material

1. M.S. Rode ϕ 40mm x 100mm(length)

**WIREMAN
(PRACTICAL)
(SEMESTER-IV)**

TIME: 8 HRS.

MAX MARKS: 270

Bill of Material

1. Voltmeter MI(0-100V)- 1 no
2. Voltmeter MI(0-150V)- 1 no
3. Voltmeter MI(0-500V) 1 no
4. Ammeter MI (0-10A)- 1 no
5. Ammeter MI (0-5A)- 1 no
6. Ammeter MI (0-15A)- 1 no
7. Ammeter MC (0-15A)- 1 no
8. Wattmeter 240V, 250 Watt , 1A- 1 no
9. Wattmeter 75V, 375 watt 5A- 1 no
10. Frequency meter (45-55Hz)- 1 no
11. Techno meter (0-1000RPM)- 1 no
12. Transformer 115V/240V, 1KVA, 50 Hz- 1 no
13. Single phase transformer(240V, 0-27V), 5A- 1 no
14. Synchronous motor(3KVA, 415V, 3D) with starter- 1 no
15. Auto transformer (0-27V, 5A)- 1 no
16. Thermostat switch (240V, 5A)- 1 no
17. Knife switch DPST(16A, 240V) – 1no
18. Connecting Leads/wire- as required
19. Ice cubes- as required
