

**COMPUTER OPERATOR AND PROGRAMMING ASSISTANT  
PRACTICAL  
(SEMESTER-I)**

**TIME: 8 HRS.**

**MAX MARKS: 100**

**Bill Of Material**

1. Windows latest version
2. Tally latest version
3. MS-Office latest version
4. PC with latest specifications
5. Internet connection
6. Java latest version
7. Laser Printer
8. DVD

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**ELECTRICIAN/WIREMAN**  
**(PRACTICAL)**  
**(SEMESTER-I)**

**TIME: 8 HRS.**

**MAX MARKS: 270**

**Bill of material**

1. Megger 50ml 500V – 1nos
2. High resistance ( to be measured)
3. Resistor & capacitors of different types & values. (Having color coding total 7 for each student.
4. Wheatstone bridge setup- 1 No.
5. Unknown value resistors -1no
6. DC voltmeter and ammeter – 1 no.
7. DC power supply- 1 No.

**FIRE TECHNOLOGY AND INDUSTRIAL SAFETY MANAGEMENT**  
**(PRACTICAL)**  
**(SEMESTER-I)**

**TIME: 8 HRS.**

**MAX MARKS: 100**

**Bill of Material**

1. Fire extinguisher A,B,C & D class
2. Non control Branch, Control Branch adaptors, blank cap, breechings, couplings, wrenches etc
3. Extension ladder
4. Each type of tools
5. Fire centrifugal Pump
6. Breathing apparatus set

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**FITTER**  
**(PRACTICAL)**  
**(SEMESTER-I)**

**TIME: 8 HRS.**

**MAX MARKS: 270**

Bill of material:

- a. Two Cast Iron Jobs of 40 X58X6 (in mm)

**HEALTH SANITARY INSPECTOR  
(PRACTICAL)  
(SEMESTER-I)**

**TIME: 8 HRS.**

**MAX MARKS: 100**

**BILL OF MATERIAL**

1. Noise level measuring instruments
2. Material required for disposal of dead body
3. Spraying equipments for larvicides.

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**MECHANIC DIESEL MECHANIC TRACTOR/ MECHANIC AUTO  
ELECTRICAL & ELECTRONICS/ MECHANIC MOTOR CYCLE**

**(PRACTICAL)  
(SEMESTER-I)**

**TIME: 8 HRS.**

**MAX MARKS: 270**

**BILL OF MATERIAL**

1. Oil pump of diesel engine (1 no.)
2. Micrometer (1 no.)
3. Switches to construct logic gates (4 nos.)

**PLUMBER  
(PRACTICAL)  
(SEMESTER-I)**

**TIME: 8 HRS.**

**MAX MARKS: 270**

**BILL OF MATERIAL**

1. CI pipe 75mm dia – suitable length
2. Clips
3. Fasteners
4. Other required tools from standard tools box
5. Cement mortar

**DRIVER-CUM MECHANIC  
(PRACTICAL)  
(SIX MONTH)**

**TIME: 8 HRS.**

**MAX MARKS: 100**

**Bill of Material**

1. Available four wheel vehicle in institute.

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