

BACHELOR IN PROSTHETICS AND ORTHOTICS
FIRST YEAR
PAPER III – WORKSHOP TECHNOLOGY AND MATERIAL SCIENCE

Q.P. Code: 802453

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Wood and types of wood.
2. Discuss the steps of converting raw hide / skin into leather.
3. Workshop Safety and Hazards and Care.

II. Write notes on:

(8 x 5 = 40)

1. Surface coating of Metals.
2. Measuring Tools.
3. Fabric Material.
4. Drilling Machine.
5. Selection and Quality Control of Materials.
6. Compressors.
7. Plastic Moulding.
8. Gas Welding and Electric Arc Welding.

III. Short answers on:

(10 x 3 = 30)

1. Biomaterials.
2. Types of Hammers.
3. Properties of Leather.
4. Bending Iron.
5. Pigment.
6. Deburring Tool.
7. Composite Materials.
8. Oscillating Saw.
9. Plaster of Paris.
10. Laser Line Alignment Apparatus.
