

BACHELOR IN PROSTHETICS AND ORTHOTICS

THIRD YEAR

PAPER IV – PROSTHETICS SCIENCE - III

Q.P. Code: 802434

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain about upper limb levels of amputation.
2. Shoulder Disarticulation Prosthesis Check out Procedures.
3. Types of Elbow Units.

II. Write notes on:

(8 x 5 = 40)

1. Types of prosthetic terminal device.
2. Cosmetic hand gloves and fingers.
3. Prosthetic Management for Elbow Disarticulation Prosthesis.
4. Wrist Disarticulation amputation patient assessment.
5. Biomechanics of Trans Radial Prosthesis.
6. Trans Radial Prosthesis checkout procedure.
7. Types of shoulder joints.
8. Trans Humeral Prosthesis Components.

III. Short answers on:

(10 x 3 = 30)

1. Types of wrist units.
2. Control cable system.
3. Myoelectric Prosthesis.
4. Trans Humeral measurement technique.
5. Biomechanics of Trans Humeral Prosthesis.
6. Prosthetic Management for Partial Hand.
7. Fabrication procedure for double wall socket.
8. Trans humeral amputation stump assessment procedure.
9. Trans Radial socket trim lines.
10. Functional Electrical Stimulation (FES).
