

[LP 0819]

AUGUST 2019

Sub. Code: 2457

**BACHELOR IN PROSTHETICS AND ORTHOTICS
FIRST YEAR
PAPER VII – PROSTHETIC SCIENCE – I**

Q.P. Code: 802457

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Types of Prosthetic Feet. Partial Foot Measurement Procedures.
2. What is Jaipur foot? Chopart amputation describe in detail.
3. Check-Out Procedures for Trans Tibial Prosthesis.

II. Write notes on:

(8 x 5 = 40)

1. Partial Foot prosthesis Fabrication Procedures.
2. Syme's Prosthesis check-Out Procedures.
3. Trans Tibial Prosthetic Gait Deviation.
4. Components used for Trans Tibial Prosthesis.
5. Measurement Procedure for Syme's Prosthesis.
6. Prosthetic Components used for Syme's Prosthesis.
7. Biomechanics of partial foot prosthesis.
8. Explain about energy storage foot.

III. Short answers on:

(10 x 3 = 30)

1. Types of Trans Tibial Prosthetic Suspension.
2. Trans Tibial Prosthetic Measurement.
3. Bench Alignment for Syme's Prosthesis.
4. Materials used for Trans-Tibial Prosthesis.
5. Exoskeletal Prosthesis.
6. Lower Extremity Levels of Amputation.
7. PTB-SCSP socket Trim line.
8. Trans Tibial Prosthesis Static Alignment.
9. Endoskeletal prosthesis.
10. Materials Used for Partial foot Prosthesis.
