

[LN 0818]

AUGUST 2018

Sub. Code: 2441

**BACHELOR IN PROSTHETICS AND ORTHOTICS  
FOURTH YEAR  
PAPER I – PROSTHETICS SCIENCE – IV**

*Q.P. Code: 802441*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Biomechanics of hip disarticulation prosthesis.
2. Bench alignment of Hip disarticulation prosthesis.
3. Prosthetic Prescription for Trans Lumbar amputation.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Explain about bucket socket.
2. Check out procedure for hemipelvectomy prosthesis.
3. Explain about Bilateral Stubbies.
4. Types of Prosthetic Hip Joints.
5. Prosthetic Knee joints used for Hip Disarticulation Prosthesis.
6. Explain about Congenital anomalies.
7. Different types of athletic feet.
8. Bilateral Trans Femoral Prosthesis Bench Alignment.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Hip Disarticulation Casting Technique.
2. Trim line of hemipelvectomy socket.
3. What is Amelia?
4. Advantage of Canadian prosthesis.
5. Types of Prosthetic Hip Joints.
6. What is phocomelia?
7. Define any one type of sports prosthesis.
8. Van Nes rotation plasty surgery indications.
9. Immediate post-surgical fitting prosthesis.
10. Prosthesis for Child Amputee.

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