

[LJ 0816]

AUGUST 2016

Sub. Code :2441

**B.Sc. 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. Check out procedure for hemi pelvectomy prosthesis.
2. Explain about different type of sports prosthesis and components.
3. Explain about Van Nes rotation plasty and prosthesis design.

II. Write notes on:

(8 x 5 = 40)

1. Explain acceleration and deceleration phase of hemipelvectomy prosthesis.
2. Fixation of hip joint in hemipelvectomy prosthesis.
3. Static alignment of hip disarticulation prosthesis.
4. Write about trans lumbar socket principles.
5. What is the prescription principles of hip disarticulation prosthesis?
6. Prosthetic Management of Bilateral Amputees.
7. Control of mediolateral stump movement in hemi pelvectomy prosthesis.
8. Write about immediate post surgical fitting prosthesis.

III. Short answers on:

(10 x 3 = 30)

1. Define hemicorporectomy.
2. Socket design for trans-lumbar prosthesis.
3. Define immediate Postoperative Prosthesis Fitting (IPPE).
4. What is anthropometric measurement?
5. Van Nes rotation plasty surgery indications.
6. What is phocomelia?
7. Trim line of hemipelvectomy socket.
8. Different types of athletics feet.
9. Explain about initial training for stubbies.
10. Features of foot used for high level amputees.
