

[LJ 0816]

AUGUST 2016

Sub. Code :2416

**B.Sc., PROSTHETICS & ORTHOTICS  
SECOND YEAR  
PAPER VI – PROSTHETICS SCIENCE – II**

*Q.P. Code: 802416*

**Time: Three hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain the fabrication procedure for through knee prosthesis.
2. Describe about cast taking procedure for hip disarticulation Prosthesis.
3. Explain about classification of Knee joint with its indication.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Stump Complications.
2. Measurements for Tran femoral prosthesis.
3. Hip Joints and its types.
4. Trans femoral check out procedure.
5. Polycentric knee joint with advantages.
6. Modification procedure of AK mould.
7. Causes of Amputation.
8. CAT CAM socket.

**III. Short answers on:**

**(10 x 3 = 30)**

1. What you mean by microprocessor control knee?
2. Name the types of sockets for above knee amputee.
3. Define TKA alignment.
4. What do you mean by Silesian belt?
5. Explain stubbies prosthesis.
6. Advantage and disadvantage of hydraulic knee joint.
7. What are the reasons for lateral trunk bending?
8. Stump evaluation.
9. What is immediate post op fitting prosthesis?
10. Explain swing phase control knee joint.

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