

[LL 0817]

AUGUST 2017

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 about Ischial containment socket.
2. Prosthetic management for hip disarticulation amputation.
3. Explain about polycentric prosthetic knee joint.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Quadrilateral socket trim lines.
2. Through knee prosthesis check-out procedure.
3. Types of Prosthetic hip joints.
4. Transfemoral prosthesis suspension system.
5. Through knee amputation patient assessment.
6. Hip disarticulation prosthetic gait deviation.
7. Explain about MAS socket.
8. Hip disarticulation prosthesis bench alignment.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Prosthetic management for short Trans femoral amputation.
2. Explain about Trans femoral check-out procedures.
3. Quadrilateral socket measurement procedure.
4. Prosthetic management for knee disarticulation amputation.
5. Advantages of four bar knee joint.
6. Explain about CAT – CAM.
7. What is TKA alignment?
8. Short notes about microprocessor knee.
9. What is SACH Foot?
10. Through knee prosthesis check-out procedure.

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