[LN 0818] AUGUST 2018 **Sub. Code: 2416**

BACHELOR IN 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 in details the Canadian type hip disarticulation prosthesis and its alignment.
2. Enumerate Gait deviation for Trans Femoral Amputee.
3. Measurement Techniques, cast modification and Fabrication for Trans femoral Amputee.

II. Write notes on: **(8 x 5 = 40)**

1. Draw a neat diagram of endo skeletal design for TF Prosthesis.
2. Explain about Stance Phase Control knee.
3. Explain about Constant friction Knee joint.
4. Explain about “Stubbies”.
5. What are the common causes for amputation?
6. Describe the Dynamic alignment for TF Prosthesis.
7. Types of Hip Joints.
8. Through knee prosthesis Check out procedure.

III. Short answers on: **(10 x 3 = 30)**

1. What is CAT CAM socket?
2. Stump Complications.
3. Difference between Endo skeletal and Exo skeletal prosthesis.
4. Trans femoral Prosthetic Component.
5. What is Phantom Limb?
6. Pneumatic knee joint.
7. What is Hemipelvectomy?
8. According to the breaking and locking mechanism what type of knee joint can be selected?
9. Draw a neat label diagram weight activated friction brake knee joint.
10. Quadrilateral Socket.

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