

[LK 0217]

FEBRUARY 2017

Sub. Code :2417

**B.Sc. PROSTHETICS AND ORTHOTICS
SECOND YEAR
PAPER VII – ORTHOTICS SCIENCE – II**

Q.P. Code: 802417

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain about gait deviation and checkout procedure for KAFO.
2. What is CDH? Explain about its orthotic management.
3. Describe about muscular dystrophy and its orthotic management.

II. Write notes on:

(8 x 5 = 40)

1. Osteoarthritis knee brace.
2. PTB orthosis.
3. Orthotic Management of Genu recurvatum.
4. Leg length discrepancy.
5. Toronto Brace.
6. Genu varum and its orthotic management.
7. Force system in KAFO.
8. Material used for KAFO.

III. Short answers on:

(10 x 3 = 30)

1. What do you mean by cerebro vascular accident?
2. Name the type of Upper Motor Neuron disorders.
3. What orthosis used for hemophilia? Explain.
4. What you mean by weight relieving orthosis and its types?
5. What is fracture orthosis? Explain any one.
6. What is the biomechanical principle of FRO?
7. What is pavlik harness and its indication?
8. List the deformities seen in PPRP.
9. Write the advantage of plastic KAFO over Metal KAFO.
10. What do you mean by offset knee joint and its indication?
