

**BACHELOR IN PROSTHETICS AND ORTHOTICS**  
(New Syllabus 2017-2018)

**SECOND YEAR**

**PAPER VII – ORTHOTICS SCIENCE - II**

*Q.P. Code: 802467*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. What is FRO? Explain its biomechanics.
2. Explain orthotic management of CP.
3. Explain types of knee orthosis.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Explain about Charcot foot and its orthotic management.
2. Explain about RGO and ARGO and their functions.
3. What is Legg Calve perthes diseases? Orthotic management.
4. Explain about Toronto brace.
5. What should be considered while designing orthosis for LLD?
6. Explain about weight relieving orthosis and its function.
7. Orthotic management for spina bifida.
8. Explain types of orthotic hip joint with its function.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Write note on CP and its types.
2. CROW orthosis.
3. Write note on Rheumatoid arthritis and role of knee orthosis.
4. Write note on MMC and its orthotic management.
5. Types orthotic knee joint.
6. Write note on HKAFO and its biomechanics.
7. Role of orthosis in progress muscular dystrophy.
8. Write note on orthotic management for haemophilia.
9. Write different between conventional KAFO and hybrid KAFO.
10. What is low cost orthosis?

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