

BACHELOR IN PROSTHETICS AND ORTHOTICS

FIRST YEAR

PAPER VIII – ORTHOTICS - I

Q.P. Code: 802408

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain about type of Ankle foot orthosis.
2. Draw a neat sketch of Shoe. Show its different parts and material used and its function.
3. Describe about various type of ankle joint and its indication.

II. Write notes on:

(8 x 5 = 40)

1. Material used in orthotics.
2. Measurement for AFO.
3. Bio Mechanics of Ankle foot orthosis.
4. Orthotic Management of Valgus deformity.
5. Weight distribution on normal foot.
6. Shoe last, its type and function.
7. Congenital talipes equino varus.
8. Charcot foot and its Orthotic management.

III. Short answers on:

(10 x 3 = 30)

1. What are the materials required for making footwear?
2. Write about Pes cavus deformity and its Orthotic management.
3. When you will prescribe limited motion ankle joint?
4. What is Calcaneal spur and its footwear modification?
5. How Orthotic ankle joint aligned with anatomical ankle joint?
6. What is the function of arch support and metatarsal pad?
7. How you measure foot pressure. Explain?
8. What is weight reliving orthosis when you will prescribe it?
9. Write down biomechanics of 3 point force system.
10. What is the function of heel and sole wedge? When it is indicated?
