

BACHELOR IN PROSTHETICS AND ORTHOTICS
FIRST YEAR
PAPER VIII – ORTHOTICS SCIENCE - I

Q.P. Code: 802458

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain different types of rocker modifications and functions.
2. Congenital Talipes Equino Varus and Its orthotic Management.
3. Draw and explain the various types of ankle joint used in Ankle foot orthosis.

II. Write notes on:

(8 x 5 = 40)

1. Explain any three footwear modifications.
2. Short notes of Hemi spiral Ankle foot orthosis.
3. Short notes of supra malleolar orthosis.
4. Explain the placement procedure of mechanical ankle joint.
5. Shoe modification for Calcaneal Spur.
6. Define Pes cavus and orthotic management.
7. Define Orthotist, orthotics and orthosis.
8. Conventional AFO and function.

III. Short answers on:

(10 x 3 = 30)

1. When you will prescribe limited motion ankle joint?
2. Hammer toe and claw toe.
3. What is the function of arch support and metatarsal pad?
4. How you measure foot pressure. Explain?
5. Stirrup and types.
6. Foot drop.
7. Explain Valgus strap.
8. Write a note on limb length discrepancy.
9. Explain Denis Browne splint.
10. Explain 3-point force system.
