

[AHS 0321]

MARCH 2021

Sub. Code: 2458

(AUGUST 2020 EXAM SESSION)

BACHELOR IN PROSTHETICS AND ORTHOTICS**FIRST YEAR (Regulation 2017-2018)****PAPER VIII – ORTHOTICS SCIENCE - I*****Q.P. Code : 802458*****Time: Three hours****Answer ALL Questions****Maximum: 100 Marks****I. Elaborate on:****(3 x 10 = 30)**

1. Explain about AFO fabrication procedure.
2. Explain about common below knee fracture and its orthotic management.
3. Explain about types of ankle joint.

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

1. Differentiate solid AFO with articulated AFO.
2. Define Orthotist, orthotics and orthosis.
3. Conventional AFO and function.
4. Define Thomas heel and reverse Thomas heel with function.
5. UCBL orthosis with biomechanical function.
6. Explain about objectives of orthosis.
7. Explain Dennis Browne splint and shoes with function.
8. Define Pes cavus and orthotic management.

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

1. Plantar pressure of foot.
2. Hammer toe and claw toe.
3. Function of anatomical arch support.
4. Draw neat diagram of orthopedic shoes with labeled parts.
5. Anesthetic foot.
6. Define Metatarsal algia and orthotic management.
7. Foot drop.
8. Stirrup and types.
9. CTEV AFO features.
10. Orthotic management for LL
