

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LR 2442]

DECEMBER 2020

Sub. Code: 2442

(AUGUST 2020 EXAM SESSION)

BACHELOR IN PROSTHETICS AND ORTHOTICS

FOURTH YEAR – (Regulation from 2012 – 2013)

PAPER II – ORTHOTIC SCIENCE – IV

Q.P. Code: 802442

Time: Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Biomechanics of Spine.
2. Explain Reciprocating Gait Orthosis.
3. Dennis classification of Fracture.

II. Write notes on:

(8 x 5 = 40)

1. Orthotic management for Lumbar Spodylolisthesis. Explain.
2. Pelvic Traction and its uses.
3. Biomechanics of Intervertebral Disc.
4. Weight relieving Orthosis.
5. Whiplash fracture and its Orthotic Management.
6. Name different types of TLSO and explain any One type of TLSO.
7. Check out procedure for Thoracic Lumbosacral Brace.
8. Biomechanics of Lumbo Sacral brace.

III. Short answers on:

(10 x 3 = 30)

1. Ortho Prosthesis.
2. Principles of Fracture Bracing.
3. Chance Fracture.
4. What is Sternal Pad?
5. Soft Cervical Collar measurement.
6. Torticollis.
7. Righting Reflex.
8. Silicon Prosthesis.
9. Function of shoulder support in Milwaukee Brace.
10. Three post collar.
