

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

[AHS 0122]

JANUARY 2022
(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)

Sub. Code: 2442

BACHELOR IN PROSTHETICS AND ORTHOTICS
FOURTH YEAR – (Regulation 2012 – 2013)
PAPER II – ORTHOTIC SCIENCE – IV
Q.P. Code: 802442

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: **(3 x 10 = 30)**

1. Milwaukee brace.
2. Biomechanics of Boston brace.
3. Orthotic management of kyphosis.

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

1. Knight Taylors brace.
2. Lumbosacral extension control orthosis.
3. Halo brace.
4. Cowhorn orthosis.
5. Biomechanics of corset.
6. SOMI brace.
7. Four poster orthosis.
8. Hard collar.

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

1. Importance of traction in spinal orthotics.
2. Soft collar.
3. Philadelphia collar.
4. Scoliosis.
5. Lordosis.
6. Parapodium.
7. Motions of spine.
8. Advantages and disadvantage of silicone prosthesis.
9. Corrective force for double curve in scoliosis.
10. Jewett brace.
