

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

[AHS 0424]

APRIL 2024

Sub. Code: 2476

**BACHELOR IN PROSTHETICS AND ORTHOTICS
THIRD YEAR (Regulation 2017-2018 onwards)
PAPER VI – ORTHOTIC SCIENCE - III
Q.P. Code: 802476**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Explain about Tenodesis splint.
2. Objectives of Splinting and its principles.
3. Material used for Upper Extremity Orthosis and its advantages and disadvantages.

II. Write notes on:

(8 x 5 = 40)

1. Airplane splint and its function.
2. Gunslinger Orthosis.
3. Claw hand and its Orthotic function.
4. Orthotic management of burn injury of hand.
5. Types of Upper limb fracture brace.
6. Explain about external power Orthosis.
7. Long opponance and its function.
8. Shoulder joint abduction Orthosis.

III. Short answers on:

(10 x 3 = 30)

1. Wrist drop.
2. Claw hand.
3. Thenar and hypothenar muscle function in hand.
4. Static splint.
5. C bar.
6. Fore arm splint.
7. Tennis elbow.
8. Plate guard.
9. Swan neck deformity.
10. Mallet and hammer finger.
