

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

[AHS 0423]

APRIL 2023

Sub. Code: 2467

BACHELOR IN PROSTHETICS AND ORTHOTICS
SECOND YEAR (Regulation 2017-2018 onwards)
PAPER VII – ORTHOTICS SCIENCE - II
Q.P. Code: 802467

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Components, fabrication procedure and indication of KAFO.
2. What is CDH? Explain about is Orthotic Management.
3. Explain about Spina bifida and its Orthotic Management.

II. Write notes on:

(8 x 5 = 40)

1. Reciprocating Gait Orthosis.
2. PTB Orthosis.
3. Orthotic management foot drop.
4. Leg length discrepancy and its non-surgical management.
5. Toronto Brace.
6. Genu recurvatum and its Orthotic management.
7. Force system in KAFO.
8. Fracture cast bracing of Tibia bone.

III. Short answers on:

(10 x 3 = 30)

1. What do you mean by Cerebro Vascular Accident?
2. Define Swedish Knee Cage and its indication.
3. What is CROW Orthosis and its indication.
4. What is Parapodium?
5. What is Ischial weight relieving Orthosis and its indication.
6. What is the Biomechanical principle of FRO?
7. What is Leg Clave Perthes disease?
8. List the deformities seen in Leprosy.
9. Write the advantage of Plastic KAFO over Metal KAFO.
10. What do you mean by Offset Knee Joint and its indication?
