

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

[MD 0522]

MAY 2022

Sub. Code: 2074

M.D. DEGREE EXAMINATION

BRANCH XIX – PHYSICAL MEDICINE AND REHABILITATION

**PAPER IV – PHYSICAL MEDICINE AND REHABILITATION – III
(RECENT ADVANCES IN REHABILITATION AND COMMUNITY
BASED REHABILITATION)**

Q.P. Code: 202074

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the recent advances in the materials used for fabrication of Orthosis and discuss the advances to improve the mobility of the SCI patient at Thoracic level.
2. Define Evidence based medicine and their levels. Discuss the role of Outcome measures in Rehabilitations in relation to ICF Domains.

II. Write notes on:

(10 x 7 = 70)

1. Biomarkers in Traumatic brain Injury.
2. LASER Therapy.
3. Cooled Radiofrequency Ablation Therapy.
4. Heart transplantation.
5. Isokinetic equipment.
6. Newer drugs in the Neurogenic bladder management.
7. Archetecural barriers for a thoraco lumbar SCI patient; Urban Vs Rural Challenges.
8. Plyometrics.
9. Bionic Hand.
10. Platelet rich plasma – leucocyte rich/poor.
