

PG Degree Supplementary Examinations in Physical Medicine & Rehabilitation (MD) November 2022

Paper II - Physical Medicine Including Physical Modalities, Biomedical Instrumentation and Prosthetic and Orthotics

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Explain with labelled diagram of a working of therapeutic ultrasound. Enumerate its indications contraindications and adverse effects.

Short essays:

(8x10=80)

2. Types of articulated ankle foot orthoses and its indications.
3. Laser therapy for musculoskeletal pain
4. SACH foot biomechanics
5. Plyometric exercises
6. Strength duration curve in nerve injuries
7. Polycentric knee joint
8. Type of levers with example in human body.
9. Thermoplastics.
