

QP Code: 211376

Reg. No.....

**Second Year MPT Degree Regular/Supplementary Examinations
January 2024**

Paper I – Applied Basic Sciences

(2016 Scheme)

(Common for all Specialties)

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*

Essays

(2x20=40)

1. Bio mechanics of joints – classification, structure and function including kinematic and kinetics of joint
2. Explain in detail about movement of the lower extremity in closed and open kinematics chain

Short Notes

(10x6=60)

3. Physiological changes in geriatric with physiotherapy assessment
4. Explain Astrand treadmill test and Bruce Protocol Test
5. Nutritional recommendation for Athletes
6. Pathomechanics of Gait
7. Explain pre-employment screening
8. Explain work conditioning and work hardening programmes
9. Temporomandibular joint biomechanics
10. Peripheral neuropathy
11. Classification of joint
12. Integrative manual therapy
