

QP Code: 211376

Reg. No.....

**Second Year MPT Degree Regular/Supplementary Examinations
January 2023**

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. Discuss the Arthrokinematics of the knee joint and explain briefly about the Patello femoral joint reaction forces.
2. Discuss about the research problems, questions and hypothesis.

Short Notes

(10x6=60)

3. Eccentric muscle training.
4. Role of arm in maintaining body equilibrium.
5. Stability of wrist joint.
6. Statistical reasoning.
7. Energy delivery and utilization in endocrine system.
8. Job analysis.
9. Review of literature.
10. DOMS.
11. Assessment of fatigue.
12. Nutrition and performance.
