

Q.P.Code 101376**Reg. No.:.....**

First Year MPT Degree Supplementary Examinations - March 2015

Basic Sciences

Time : 3 hrs**Max marks : 100**

- Answer all questions.

Essays**(5x20=100)**

1. Explain the clinical applications of electrical stimulation and its effects on body tissues.
2. What is energy expenditure. Explain the various methods of measurement of human energy expenditure.
3. Discuss in detail the effect of exercise on the various body systems.
4. Identify the various ergonomic guidelines to plan a work station for a computer professional. Explain the principles of the same.
5. Explain the functional adaptations of bone under pathological conditions.
