

**Q.P.Code 101376**

**Reg. No.:.....**

**First Year MPT Degree Examinations - November 2015**

**Basic Sciences**

**Time : 3 hrs**

**Max marks : 100**

- Answer all questions.

**Essays**

**(5x20=100)**

1. Explain the effect of exercise on aging
2. Explain electrical stimulation and its effects on various systems
3. Define energy expenditure. Explain the various methods of measurement. of human energy expenditure
4. Discuss the role of physiotherapist in injury prevention in corporate industrial setup
5. Mention the properties of muscles. Explain the neuromuscular junction with its malfunction and clinical features with management.

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