

**Q.P.Code 101376**

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

**First Year MPT Degree Supplementary Examinations - May 2016**

**Basic Sciences**

**Time : 3 hrs**

**Max marks : 100**

- Answer all questions.

**Essays**

**(5x20=100)**

1. Describe in detail the extensor mechanism of fingers and its influence on Metacarpophalangeal and Inter phalangeal joint function
2. Elaborate on the role of physiotherapy in industrial set up
3. Describe in detail the different methods of aerobic and anaerobic training and the adaptation of different systems of human body in response to the same
4. Discuss the electrical properties of muscle and the procedure followed for a electromyography study including the findings in a normal innervated muscle
5. Explain the phases of gait cycle and determinants of gait.

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