

Q.P.Code 2376

Reg. No.:.....

First Year **MPT** Degree Examinations - January 2012**RESEARCH METHODOLOGY AND BIOSTATISTICS**

Time: 3 hrs

Max marks : 100

- Answer all questions

**Essays****(5x20=100)**

1. Discuss the various steps in research process.
2. Define and explain the types of research paradigms (models) in physical therapy.
3. Explain the purpose of research in physical therapy.
4. Define and explain the types of experimental research designs.
5. An IQ test was administered to 5 persons. The values of before and after training are given below. Test whether any change in IQ after the training programme.

 $T_{0.01} = 4.6$  for 4 d.f

Candidates	IQ before training	IQ after training
I	110	120
II	120	118
III	123	125
IV	132	136
V	125	121

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