



[LB 752]

OCTOBER 2012

Sub. Code: 8152

MPT DEGREE EXAMS

FIRST YEAR

PAPER II – PHYSIOTHERAPEUTICS

Q.P. Code : 278152

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages (Max.)	Time (Max.)	Marks (Max.)
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|---|----|----|----|
| 1. Define Pain. Describe in detail the types of pain, pain assessment, neurophysiologic explanations of pain control and the evidence based clinical application of electrotherapeutic modalities in pain management. | 17 | 40 | 20 |
| 2. Describe in detail the principles, biomechanics, normal responses, sensitizing tests, application methods, indications and variations of the base tests of neural tension testing. | 17 | 40 | 20 |

II. Write notes on :

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|--|---|----|---|
| 1. Aquatic exercises. | 4 | 10 | 6 |
| 2. Abnormal spontaneous motor unit action potentials. | 4 | 10 | 6 |
| 3. Advantages, disadvantages and application techniques of compression bandage. | 4 | 10 | 6 |
| 3. Principles and application of trigger point release for trapezius muscle dysfunction. | 4 | 10 | 6 |
| 5. Kinesiological electromyography. | 4 | 10 | 6 |
| 6. Thermal and Non-thermal effects of therapeutic ultrasound. | 4 | 10 | 6 |
| 7. Sensory nerve conduction velocity testing. | 4 | 10 | 6 |
| 8. Methods of aerobic training | 4 | 10 | 6 |
| 9. Evidence-Based balance exercise programs | 4 | 10 | 6 |
| 10. Combination therapy | 4 | 10 | 6 |
