Second B.P.Th. Examination, Oct./Nov. 2004
KINESIOTHERAPEUTICS
(New Course)

Total Duration: Section A + B + C = 3 Hours
Section B & C Marks: 60

SECTION – B & SECTION – C

Instructions: 1) All questions are compulsory.
2) The number to the right indicates full marks.
3) Draw diagrams wherever necessary.
4) Answer each section in the respective answer sheet only.
5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION – B

2. Attempt any five out of six: (5x3 = 15)
   a) Active insufficiency of muscles
   b) Principles of home program
   c) Importance of functional re-education
   d) Kinetics and kinematics of heel strike
   e) Tendon action as trick movement
   f) Delorme’s technique for strengthening.

3. Attempt any three out of four: (3x5 = 15)
   a) Proprioceptive neuromuscular facilitation techniques – Basic techniques
   b) Goals of breathing exercises
   c) Principles of manual muscle testing
   d) Frankle’s co-ordination exercises.

SECTION – C

4. Describe kinetics and kinematics of knee joint (diagram). (6+6+3 = 15)

5. a) Describe the determinants of gait.
   b) Describe the stance phase of gait cycle.
   c) Describe the kinematics of stance phase of gait cycle.

OR

a) Describe Active Cycle of Breathing.
b) Explain principle and positions of postural drainage of lower lobes of lung.
c) Discuss indications, contra indications and manual techniques used with postural drainage.