Fourth B.P.Th. (Revised) Examination, May/June 2011
PHYSIOTHERAPY IN MUSCULOSKELETAL CONDITIONS

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) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

SECTION - B
(SAQ) (30 Marks)

2. Answer the following (any five out of six):
   (5 x 3 = 15)
   a) Explain any three abnormal end feels.
   b) Write the diagnostic clinical tests for tennis elbow.
   c) Write the capsular pattern of range restriction for shoulder joint.
   d) Explain the precautions to be taken for assessment and treatment in the first week following total hip replacement.
   e) Differentiate between somatic referred pain and radicular pain.
   f) Explain any three abnormal end feels.

3. Answer the following (any three out of four):
   (3 x 5 = 15)
   a) Discuss the rationale of physical therapy management before tendon transfer.
   b) Explain the stages of soft tissue healing.
   c) Discuss any two deformities of wrist and hand caused by Rheumatoid arthritis.
   d) Discuss the short term goals of physical therapy management following below knee amputation.

P.T.O.
4. Rajesh, 36 years old construction worker gives history of fall from height of 20 feet 3 weeks back. He is diagnosed as D_{10}-D_{11} burst fracture and treated with stabilization with trans-laminar screw and plate fixation 2 wks back.

He now complains of paraparesis, stiffness in the lower limb muscles with difficulty in voiding the urine. He is married with 2 children and is the only bread earner of the family.

(a) Explain the functional diagnosis with clinical reasoning.
(b) Write contextual factors.
(c) Plan the short term and long term goals of physiotherapy management.

5. Soma, 54 years old female comes with history of fall on outstretched hand 6 wks back. She was diagnosed as Colles fracture and treated with plaster cast. She stays with her unmarried son in slum and works as a housemaid. She is post menopausal since 6 years.

(a) Explain the functional diagnosis with clinical reasoning.
(b) Write the contextual factors.
(c) Plan the short term and long term goals of physiotherapy management.

OR

Gajabhan, 62 years old farmer staying in village, complains of bilateral knee pain, right more than left since 6 months. Now VAS at rest is 3 and on activity 6. Pain aggravates on activities like squatting, sitting crossed legged. He has developed flexion and varus deformity at both the knees.

(a) Explain the functional diagnosis with clinical reasoning.
(b) Discuss contextual factors.
(c) Plan the physiotherapy management.