Fourth BPTH (Revised), Winter 2014
Physiotherapy in Musculoskeletal Conditions
(Syllabus of Revised is Applicable to Old/New)

Duration: Section A + B = 3 Hours

Total Marks: 80

Instructions:
1) Use blue/black ball point pen only.
2) 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.
3) All questions are compulsory.
4) The number to the right indicates full marks.
5) Draw diagrams wherever necessary.
6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
7) Use a common answer book for all section.

Section "A" SAQ (50 Marks)

(5x3=15)
Short answer question (any five out of six):
Enumerate characteristics of open and closed chain exercises.
Differential between referred pain & radicular pain.
Milwaukee Brace.
Significance of Tinel's Sign.
Impact of genu varus deformity on foot.
Types of Spinal Fractures

(5x7=35)
Short answer question (any five out of six):
Explain Slump Test and its clinical significance.
Describe techniques to improve mobility after Total Knee replacement.
Physiotherapy management for Wrist Drop.
Explain Physiotherapy management of extension lag at knee joint.
Physiotherapy management of Grade II deltoid ligament injury at the ankle joint.
Name two primary stabilisers of lumbar spine and write their characteristics.

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Section "B" LAQ (30 Marks)

3. Long answer question (any one out of two):

a) 35 years old young marketing professional sustained mid shaft femur fracture following RTA, managed surgically by Intra medullary nailing 8 weeks before, presently he has complaints of knee stiffness with knee flexion range around 50 degrees and also has weakness of his lower limb muscles. He has to join to his work after a month and requires riding a two wheeler.

i) Write ICF (5 marks),
ii) Discuss short term & long term Physiotherapy Management (10 marks)

b) A 56 yrs. female, sustained lower end radius fracture managed conservatively 6 weeks before by plaster cast and at present she is referred to physiotherapy department. Presently she has severe pain & stiffness of wrist & hand joints. Intensity of pain 8/10 on VAS, also she has swelling & warmth over the dorsum of hand and unable to perform gross motor functions of hand. She has look after her house hold activities.

i) Write which complication patient is suffering from and write its stages (5 marks).
ii) Write ICF (3 marks), iii) Plan short term & long term Physiotherapy Management (7 marks).

4. Long answer question (any one out of two):

a) A 65 years old female, house wife suffering from Chronic Osteoarthritis of (RT) Knee joint since 12 years, undergone total knee replacement surgery 2 weeks before, presently she has complaints of pain, which is 4/10 in VAS, she has 55 degrees knee flexion ROM, Quadiceps spasm and mild difficulty in walking. She stays alone in second floor without lift facility and has Indian type of commode.

i) Write ICF (3 marks), ii) Any 2 Radiological Features of OA (2 marks)
iii) Short term & long term Physiotherapy Management (10 marks).

b) A 49 yrs male dentist diagnosed to have Ankylosing spondylitis since last 6yrs. He is under regular medical treatment but due to his difficulty & busy schedule he could not continue his physiotherapy treatment in past 2 yrs. At present he is having pain over neck and back, stiffness of spinal joints, mild to moderate difficult in walking and his occupational activity.

i) Write ICF (3 marks), ii) Any 2 Radiological Features of AS (2 marks),
iii) Plan short term & long term Physiotherapy Management (10 marks).