

**51411****Fourth B.P.Th. (2012) Examination, Summer 2016  
MUSCULOSKELETAL PHYSIOTHERAPY**

Total Duration : Sec. A + B = 3 Hours

Total Marks : 80

**SECTION A & SECTION - B**

- 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** Sections.

**SECTION - A SAO (50 Marks)**

1. Short answer question (**any five** out of six) : **(5x3=15)**
  - a) Mention any 3 uses of taping in sports injuries.
  - b) Grades of mobilization according to Kaltenborn.
  - c) Patellar mal-tracking and its effects on quadriceps action.
  - d) Mention any 3 neuro-physiological effects of joint mobilization.
  - e) State any 3 differences between open and closed chain exercises.
  - f) Enumerate any 3 complications following Supracondylar fracture of Humerus.
2. Short answer question (**any five** out of six) : **(5x7=35)**
  - a) Rationale for exercise prescription in Osteoporosis.
  - b) Physiotherapy management of trans-femoral amputation.
  - c) Discuss physiotherapy management of Calcaneal spur.
  - d) Write with reasoning about physiotherapy management for recurrent shoulder dislocation.
  - e) Discuss diagnostic criteria for osteoarthritis Knee and its PT management.
  - f) Physiotherapy management for knee stiffness post fracture lower end femur treated with dynamic compression screw.

**P.T.O.**

51411



## SECTION — B LAO (30 Marks)

3. Long answer question (**any one** out of two) : (1x15=15)

- a) A 25 yr. old football player comes to you with complaints of pain and discomfort in the right knee since 2 months. He was diagnosed as a case of Right ACL tear Grade 2 along with tear of post horn of medial meniscus. He has undergone arthroscopic ACL reconstruction with shaving of medial meniscal post horn 3 days back.

Functional diagnosis with clinical reasoning. (5)

Physiotherapy treatment plan. (10)

- b) A 55 yr. old male, insurance banker by occupation comes with complaints of pain in left shoulder with inability to lift the shoulder for overhead activities. His **ROM** of flexion, abduction and external rotation is severely reduced along with reduction in strength (grossly grade 3-4). He has uncontrolled diabetes.

Explain - Functional diagnosis with clinical reasoning. (5)

Physiotherapy treatment plan along with goals. (10)

4. Long answer question (**any one** out of two) : (1x15=15)

- a) A 65 yr. old male, retired banker by occupation comes with complaints of pain in left hip with difficulty to move the hip. He had sustained trauma post RTA 1 month ago and had ICNF (Intra Capsular Femoral Neck) fracture managed with a Dynamic hip screw. His ROM of flexion, abduction and external rotation is severely reduced along with reduction in strength (grossly grade 3-4).

Discuss - short term and long term goals. (5)

Physiotherapy treatment plan. (10)

- b) A 40 year old school teacher is referred to the physiotherapy department. She is having D 12 compression fracture without any neuro deficit and diagnosed as Lumbar canal stenosis with claudication and treated conservatively. She is married and has an 11 year old son.

Describe - functional diagnosis with clinical reasoning (5)

Physiotherapy management. (10)