



51411

Fourth B.P.Th. (2012) Examination, Winter 2018
MUSCULOSKELETAL PHYSIOTHERAPY

Total Duration : Section 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 answerbook for **all sections**.

SECTION – A (50 Marks)
(SAQ)

1. Short answer question (any five out of six) : (5×3=15)
 - a) Goals and rehabilitation principles of Flexor tendon injuries.
 - b) Explain in brief Phantom pain.
 - c) Exercises for correction of kyphosis.
 - d) Principles of Mulligan's Mobilization.
 - e) Indications of taping.
 - f) Active and Passive insufficiency.

2. Short answer question (any five out of six) : (5×7=35)
 - a) Impairments after ankylosing spondylosis.
 - b) Precautions after bipolar hip replacement.
 - c) Discuss the Stage 1 of Reflex Sympathetic Dystrophy and its rehabilitation goals.

P.T.O.



- d) Physiotherapy management of Tennis elbow.
- e) Physiotherapy management of Carpel tunnel syndrome.
- f) Physiotherapy management of Fracture Patella after surgery – Maximum Protection Phase.

SECTION – B (30 Marks)
(LAQ)

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

a) 56 years old female teacher, Diya undergone bilateral ~~right~~ TKR surgery before 2 days, she has pain at rest VAS 4/10 and pain on knee movements VAS is 7/10. She is not allowed to ambulate for 2 more days as her hypertension is not settled yet. Her knee ROM is 5 to 60 degrees. Weakness is in muscles commonly seen after TKR surgery. She is worried and unable to cope up with health care supporters her family members are very supportive. There is no other significant past medical history apart from hysterectomy before 10 years. Based on the above information,

1) Explain Functional diagnosis.

2) Physiotherapy management.

(6+9=15)

b) 40 years old, single, bank officer, Rahul is recovering after fracture left shaft femur operated 5 days back. He has pain at rest VAS 5/10 and pain on knee movements VAS is 8/10. His Hip and knee ROM is restricted with weakness of Muscles around these joints. He is worried for swelling of both lower limbs; recover time, after discharge procedures, management at home and thinking negatively about recovery. He is diabetic but regular with his gym exercises.

Based on the above information,

1) Explain Functional diagnosis

2) Physiotherapy management.

(6+9=15)



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

a) A 25 years young male footballer, Ramesh sprained his right ankle before 2 days. He is worried for ankle swelling, restricted movements and pain which is 5/10 on VAS. He is appearing for University examination after a week. His parents are not supporting for his sports carrier, however very keen on his fast recovery and providing all support. Orthopedic surgeon is not suspecting any fractures and allowing physiotherapist to take decisions on management.

Based on the above information.

1) Explain Functional diagnosis

2) Physiotherapy management.

(6+9=15)

b) A 36 years software engineer, single, Amit was diagnosed with Rheumatoid arthritis 4 years ago. He is on medical management but was unable to consistently do the exercises as given by his Physiotherapist then Amit is experiencing severe bilateral hand pain with restricted ROM, difficulty in ADLs since the past 3 months. His Company and parents are supportive; He is working from home and financially independent. His good friend circle is always motivating him.

Based on the above information,

1) Explain the functional diagnosis.

2) Plan the Physiotherapy management with short and long term goals. (6+9=15)