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Fourth B.P.Th. (2012) Examination, Winter-2020
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 (SAQ) (50 Marks)

1. Short answer question (**any five** out of six) : [5 × 3 = 15]
 - a) Reciprocal inhibition.
 - b) Three diagnostic criteria for Lumbar spondylolisthesis.
 - c) Three differences between Neurogenic and vascular claudication.
 - d) Three techniques to improve soft tissue mobility.
 - e) Grades of Pott's paraplegia.
 - f) Painful arc syndrome.

2. Short answer question (**any five** out of six): [5 × 7 = 35]
 - a) PT management following Rotator cuff injury.
 - b) Facet joint arthropathy- differential diagnosis and PT treatment.
 - c) Reflex sympathetic dystrophy-differential diagnosis and PT treatment.
 - d) Physiotherapy management following colle's fracture managed conservatively.

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- c) Thoracic outlet syndrome-differential diagnosis and PT management.
- f) Causes, diagnosis and PT management of patello-femoral pain syndrome.

SECTION - B (LAQ) (30 Marks)

- 3. Long answer question (any one out of two): [1 × 15 = 15]**
- a) A 45 years female clerk referred to physiotherapy department. She is suffering from neck pain which is radiating to Right arm. She had the same problem 6 months ago and the pain that time was subsided by medication. Now the symptoms are worsening and she is on medical leave.
 - i) Write down the ICF [3]
 - ii) Discuss the differential diagnosis [5]
 - iii) Discuss short term & long term goals and Physiotherapy Management [7]
 - b) 39 years old female referred to physical therapy department with complaints of pain, swelling and stiffness in joints of wrist and hands of both sides since 1 year.
 - i) Write down ICF [3]
 - ii) Discuss differential diagnosis [4]
 - iii) Discuss short term & long term goals and physiotherapy management [8]
- 4. Long answer question (any one out of two) : [1 × 15 = 15]**
- a) A 65 year old female suffering from severe pain, morning stiffness at right knee joint, difficulty in climbing stairs, difficulty in squatting. She could not get relief by conservative management. She was advised to do TKR of right side and admitted in hospital.
 - i) Describe pre-operative physiotherapy management [5]
 - ii) Write down post operative assessment [5]
 - iii) Prepare physiotherapy protocol from Day-1 to Day-5 [5]
 - b) A 70 year old male patient referred to physiotherapy department who under gone hemiarthroplasty of right hip last day. Presently he complaints of pain at the suture site.
 - i) Write down ICF [4]
 - ii) List the Do's and Don'ts following hemiarthroplasty. [3]
 - iii) Discuss the goals and physiotherapy management. [8]

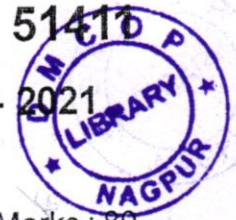
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Fourth B.P.TH. (2012) Examination, (Phase - III) Winter - 2021

MUSCULOSKELETAL PHYSIOTHERAPY

Total Duration : Section A + B = 3 Hours

Total Marks : 80



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SECTION "A" SAQ (50 Marks)

1. Short answer question (**any five** out of six): [5 × 3 = 15]
 - ~~a)~~ 3 clinical features of facet joint arthropathy in cervical spine.
 - ~~b)~~ Enumerate types of traction and enlist 3 indications.
 - ~~c)~~ Enumerate any 3 complications of Barton's fracture.
 - ~~d)~~ Clinical features of De quervain's tenosynovitis.
 - ~~e)~~ Orthotic prescription for Thoracic-12 vertebrae wedge compression fracture.
 - ~~f)~~ 3 clinical features of adhesive capsulitis

2. Short answer question (**any five** out of six): [5 × 7 = 35]
 - ~~a)~~ Discuss Physiotherapy management of 'Congenital Talipes Equinovarus'.
 - ~~b)~~ Discuss physiotherapy management for zone 2 Flexor tendon repair of Right index finger.
 - ~~c)~~ Discuss etiopathology and Physiotherapy management of Piriformis syndrome.
 - ~~d)~~ Discuss rationale of Physiotherapy management of recurrent dislocation of patella.
 - ~~e)~~ Discuss Physiotherapy management of tennis elbow.
 - ~~f)~~ Describe any two MET techniques to reduce upper trapezius spasm.

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SECTION - "B" LAQ (30 Marks)

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

- a) A 50 years old housewife underwent right side TKR 3 weeks back. She is admitted for left side TKR. She has RA since 15 years. Discuss ICF along with physiotherapy management. [5+10]
- b) A 59 years old, labourer complains of low back ache radiating to bilateral Lower Limb since 15 years. Symptoms aggregates after walking a distance of 500 meters. Sitting relieves his pain. Investigations show grade 2 spondylolisthesis at L4-L5 level. Discuss ICF and physiotherapy management with clinical reasoning. [5+10]

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

- a) A 59 years old auto rikshaw driver underwent Proximal femoral nailing surgery 5 days back for right intertrochanteric fracture. Discuss ICF with physiotherapy management. [5+10]
- b) A 45 years old vegetable vendor met with a road traffic accident and has undergone below knee amputation of left leg two weeks back. Discuss ICF and physiotherapy management. [5+10]



Fourth B.P.T.H (2012) Examination, Winter 2022

MUSCULOSKELETAL PHYSIOTHERAPY



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SECTION - "A" SAQ (50 Marks)

1. Short answer question (any five out of Six) :

[5 × 3 = 15]

- a) Milwaukee brace.
- b) Postural syndrome.
- c) Pronator teres syndrome.
- d) De Quervain's disease.
- e) Do's and Don'ts after TKR.
- f) Types of peripheral nerve injuries.

2. **Short answer question (any five out of Six) :** **[5 × 7 = 35]**
- a) Causes, special tests and physiotherapy management of lateral ligament sprain of ankle joint.
 - b) Mechanism of meniscal injuries and physiotherapy management.
 - c) Diagnosis and PT management of lateral epicondylitis of elbow.
 - d) PT management of Lateral popliteal nerve injury.
 - e) Signs & symptoms of acute Compartmental syndrome of arm and its management.
 - f) Lumbar canal stenosis - differential diagnosis and PT management.

SECTION - "B" LAQ (30 Marks)

3. **Long answer question (any one out of two):** **[1 × 15 = 15]**
- a) A 31 years male badminton player referred to Physiotherapy department with complaints of pain in his Right shoulder. The history revealed that he got the pain twice in last 1 year and was relieved by medicines and Physiotherapy. Presently he is unable to do overhead activities.
 - i) Write down ICF (3 marks)
 - ii) List the special tests used to rule out the shoulder pain (3 marks)
 - iii) Discuss the short term & long term goals and physiotherapy management. (9 marks)

 - b) A 50 years female referred to Physiotherapy department with complaints of low back pain radiating to back of the thigh. She is house wife residing on second floor of an apartment with no lift facility. She stays with her husband and two sons who can take care of her.
 - i) Write down ICF (4 marks)
 - ii) Write the radiological features and diagnosis (4 marks)
 - iii) Discuss goals and physiotherapy management. (7 marks)

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

[1 × 15 = 15]

- a) A 28 years female computer professional visited Physiotherapy department after removal of plaster cast. She met with RTA 6 weeks before and diagnosed as fracture of lower end of radius. Her present complaints are pain and stiffness of wrist and hand. She is unable to use key board properly.
- i) Write down ICF (5 marks)
 - ii) Discuss the short term & long term goals and physiotherapy management. (10 marks)
- b) A 35 years old male working as medical representative met with RTA and sustained fracture mid shaft Humerus. He was treated surgically by intra medullary nailing. After 8 weeks he came to Physiotherapy department with complains of pain and stiffness in Elbow joint. He has muscle wasting in arm and forearm.
- i) Write down ICF (5 marks)
 - ii) Discuss the short term & long term goals and physiotherapy management. (10 marks)



Fourth B.P.Th. (2012) Examination, (Phase - III) Winter - 2024
MUSCULOSKELETAL PHYSIOTHERAPY



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 - 7) **Use a common answerbook for all sections.**

SECTION - A (SAQ) (50 Marks)

1. Short Answer Questions (any 5 out of 6) :

[5×3=15]

- a) Enumerate 3 postural syndromes.
- b) Write down three uses of knee braces.
- c) Three uses of cervical collar.
- d) What is trigger finger?
- e) What is extensor lag?
- f) Write down three contraindications for high frequency electrotherapy modalities.

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[5×7=35]

2. **Short Answer Questions (any 5 out of 6) :**

- a) Write note on special tests to diagnose knee joint dysfunction.
- b) Discuss management of chronic lateral epicondylitis.
- c) Discuss the management for acute pain and swelling due to Carpal tunnel syndrome.
- d) Discuss the management for lumbar spondylolisthesis L4-L5 grade I and II.
- e) Discuss the management for chronic ankle lateral ligament sprain.
- f) Write note on joint protection in patients with Rheumatoid Arthritis.

SECTION - B (LAQ) (30 Marks)

3. **Long Answer Questions (any 1 out of 2) :**

[1×15=15]

- a) A 38 years old software professional had Road traffic accident while driving car one month back. He has undergone right below knee amputation 20 days back. He is married, has two children, stays in apartment. Write down functional diagnosis, short term and long term management for the same.
[5+5+5=15]
- b) A 44 years old woman, tailor by profession had glass cut injury two month following which she had injured Flexor digitorum superficialis tendons of middle, ring and little fingers which was treated with suturing 7 weeks ago. She has pain and range restrictions in fingers and wrist. Write down functional diagnosis, short term and long term management.
[6+4+5=15]

4. **Long Answer Questions (any 1 out of 2) :**

[1×15=15]

- a) A 25 years old cobbler diagnosed with Ankylosing Spondylitis one year back. At present he c/o stiffness in thoracic area and some breathing difficulty. He has low back pain and SI joint pain. Write down functional diagnosis, short and long term goals.
[7+4+4=15]
- b) A 68 year old lady has been diagnosed with bilateral knee OA. She has undergone TKR surgery for Right knee 6 weeks back. She stays with her husband in apartment on 5th floor. She C/O pain and reduced ranges in both knees. Write her functional diagnosis, short term goals and management for the same.
[7+4+4=15]

