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

Total Duration : 3 Hours

Total Marks : 80

Instructions :
1) *Use **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 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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2. **Short Answer Questions (any 5 out of 6) :** [5×7=35]

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 bak 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]

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NEURO PHYSIOTHERAPY

Total Duration : 3 Hours | Total Marks : 80

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

SECTION - A SAQ (50 Marks)

1. Short Answer Questions (Solve any five out of six). **[5×3=15]**

a) Enlist three features of Myasthenia Gravis.
b) What is Pusher's syndrome?
c) Clinical features of Cauda Equina Injuries.
d) Signs & Symptoms of Bell's Palsy.
e) Define Motor Learning. Enumerate its stages.
f) Enumerate different types of Motor Neuron Disease.

2. Short Answer Questions (Solve any 5 out of six). **[5×7=35]**

a) Physiotherapy Management in Erb's Palsy.
b) Autonomic Dysreflexia - Causes, Symptoms & Intervention.
c) Enumerate the tests for assessing vestibular disorders. Explain any two in detail.
d) Write about various facilitatory techniques to improve muscle tone.
e) Write a note on Management of complications of Duchene's Muscular Dystrophy.
f) Define Apraxia. Describe its types in detail.

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SECTION - B LAQ (30 Marks)

3. Long Answer Questions (Solve any 1 out of 2): **[1×15=15]**

a) Write ICF with clinical reasoning of a 5 year old athetoid Cerebral palsy girl, she is able to maintain independent sitting but is unable to stand. She attends school regularly. Parents are financially sound and motivated for therapy. Formulate the short term goals with management. **[5+7+3]**

b) Discuss ICF with clinical reasoning for a 30 year old male who sustained multiple skull fractures after a road traffic accident 2 weeks back. Patient is currently in the ICU and is conscious with RANCHOS scale level IV. Formulate short term and long term goals of physiotherapy management. **[5+7+3]**

4. Long Answer Questions (Solve any 1 out of 2): **[1×15=15]**

a) Write ICF and physiotherapy management with short term and long term goals for 20 year old unmarried female diagnosed Friedreich's ataxia since 2 years. She complains of ataxic gait and tremors. She is also having difficulty in fine motor activities and complains of repeated falls. **[5+7+3]**

b) Write ICF and physiotherapy management for a 45 yr old male working as a CEO of a leading multinational company, who has weakness of Right side of the body with difficulty in walking and activities of daily living since one month. **[7+8]**

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Fourth B.P.TH. (2012) Examination, (Phase - III) Winter - 2024

CARDIOVASCULAR - RESPIRATORY PHYSIOTHERAPY (Including Critical Care)

Total Duration : 3 Hours

Total Marks : 80

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

SECTION - A SAQ (50 Marks)

1. Short Answer Questions (Solve **any five** out of six) **[5×3=15]**

a) Define Metabolic syndrome.
b) State the x-ray findings of COPD.
c) Enumerate the different grafts used in CABG.
d) Enumerate any one quality of life questionnaire used in COPD, heart failure and peripheral arterial disease.
e) Enumerate signs & symptoms of respiratory distress in pediatrics.
f) Explain importance of peripheral muscle strengthening in COPD.

2. Short Answer Questions (Solve **any Five** out of six) **[5×7=35]**

a) Discuss physiotherapy management of peripheral arterial disorders.
b) Explain the relevance of ABG, PFT and X-ray in decision making for goal setting in case of COPD.
c) Explain any 3 PNF techniques for facilitation of respiration.
d) Explain various airway clearance techniques.
e) Describe phase 2 of cardiac rehabilitation for a 45 yr old executive following PTCA for LAD who would like to participate in sports.
f) Discuss various equipments used in ICU.

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SECTION - B LAQ (30 Marks)

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

a) A 35 years old male is diagnosed as post TB bronchiectasis. He is recently married and complains of foul smelling sputum for 2 days. He is unable to lie on right side because of increased expectoration. he is embarrassed to meet people and feels his health is not good. Discuss functional diagnosis & physiotherapy management for the same.

b) 55 year old cook, right handed dominant has undergone with right modified radical mastectomy 2 days back. Discuss functional diagnosis & physiotherapy management for the same.

4. Long answer questions (Solve **any one** out of two): **[1×15=15]**

a) A 35 year old male, diagnosed with infective atypical pneumonia of bilateral lung. He is on CMV mode of ventilator at Fi O_2 of 0.6 and PEEP of 10 since 3 days. He has been referred for physiotherapy. Discuss functional diagnosis & physiotherapy management.

b) 12 year old boy has sustained superficial partial thickness burns on bilateral upper limb and torso (anteriorly) 2 days back. He has pain 6 on VAS at rest. He is unable to turn or move his limbs. Give functional diagnosis & management for the same.

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FOURTH B.P.TH. (2012) Examination, (Phase - III) Winter - 2024

COMMUNITY PHYSIOTHERAPY

Total Duration : 3 Hours | Total Marks : 80

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

SECTION - A SAQ (50 Marks)

1. Short Answer Questions (**any five** out of six) **[5×3=15]**

a) Assessment of Diastasis recti.
b) Differentiate between Aerobic and Anaerobic exercises
c) How socioeconomic factors affect Physiotherapy services in India?
d) Give any three features of Community Based Rehabilitation
e) Three national programmes for prevention of disability.
f) Enumerate six changes in cardio-pulmonary systems of elderly.

2. Short Answer Questions (**any five** out of six) **[5×7=35]**

a) Discuss causes of childhood obesity.
b) Communication barriers in geriatrics.
c) Compare institution based rehabilitation with community based rehabilitation.
d) Aims and principles of Obstetrics Physiotherapy.
e) Discuss the role of Physiotherapy for stress management in an Industrial setup
f) Discuss various social issues having impact on physical function of women in India.

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SECTION - B LAQ (30 Marks)

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

a) 31 yr old moderately obese lecturer, a known case of non insulin dependent diabetes mellitus and hypertension since 7 years approaches a Physiotherapist for Healthcare. Discuss short term and long term goals of physiotherapy management with special health tips about diet.

[5+7+3=15]

b) i) Describe the hormonal changes and primary sequel of menopause.

ii) Physiotherapy management of above along with clinical reasoning.

[8+7=15]

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

a) Describe Pathomechanics of balance issues in elderly and physiotherapy programme for fall prevention in geriatrics. **[7+8=15]**

b) 45 yr old male goldsmith by occupation complains of neck and upper back pain with tingling and numbness in right arm since one month. Discuss the functional diagnosis as per ICF and rationale of physiotherapy management with preventive and curative strategies for goldsmith professionals. **[5+5+5=15]**

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