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Fourth B.P.T.H. (2012) Examination, Summer - 2021
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) Write 3 clinical features of Perthes disease.

    b) Write Pathomechanics of boutonniere deformity.

    c) State Orthosis used in high ulnar nerve palsy.

    d) Enumerate any 3 indications of Total knee replacement.

    e) Write Clinical features of grade 3 lateral ankle ligament sprain.

    f) State pathological difference in osteoarthritis and rheumatoid arthritis.

2. Short answer question (**any five** out of six) :   [5 × 7 = 35]

    a) Discuss physiotherapy management of 'Volkmann's ischemic contracture'.

    b) Discuss functional impairments and physiotherapy management for plantar fasciitis.

    c) Discuss physiotherapy management of grade two rotator cuff tear.

d) Discuss the different grades of Maitland mobilization technique with respect to joint reactivity and stage of tissue healing.

e) Discuss assessment and Physiotherapy management for left thoracic postural scoliosis.

f) Differentiate between neurogenic and vascular claudication.

SECTION-B LAQ (30 Marks)

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

a) A 62 years old retired air marshal underwent right side THR 1 week back.He gives history of AVN on the same side post TCNF fracture. He has duplex flat and need to climb 4 stairs. He runs an NGO for orphans.Discuss ICF along with short term& long term physiotherapy management.　　　　　　　[5+10]

b) A 48 years old software engineer complains of severe neck pain radiating to right upper extremity since 7 days. He is also complaining of tingling in lateral 2 fingers. Write down probable differential diagnosis with ICF and clinical reasoning along with physiotherapy management.　[5+10]

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

a) A 35 year old road traffic inspector met with an accident. He suffered from patella fracture of RT knee. Fracture was surgically managed by TBW 3 weeks back. Discuss ICF and PT management.

b) A 30 year old machine operator, met with an accident while working in ice factory. He is operated for FTI (zone 2) middle two fingers 1 week back. Discuss ICF along with physiotherapy management with clinical reasoning　　　　　　　[5+10]

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Fourth B.P.Th. (2012) Examination, Summer - 2021
NEURO PHYSIOTHERAPY

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION - A & SECTION-B

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

SECTION-A SAQ (50 Marks)

[5 × 3 = 15]

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

   a) What is Kernigs and Brudzinski sign.

   b) Enlist the types of Motor neuron disease.

   c) Give any one classification of nerve injuries.

   d) Enlist features of autonomic dysreflexia.

   e) Write the stages of motor learning.

   f) Asymmetrical Tonic Neck Reflex.

[5 × 7 = 35]

2. Short answer question (**any five** out of six) :

   a) Describe the physiotherapy management of Reflex sympathetic dystrophy.

   b) Define motor control. Enumerate the theories of motor control. Explain any 2 in detail.

   c) Discuss gross motor and fine motor milestones up to age 3 years.

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d) Classify neurological bladder. Write assessment and physiotherapy management of any 1 in detail.

e) Discuss the clinical features and physiotherapy management of Erb's paralysis.

f) Write down the characteristics and physiotherapy management of hemiplegic gait.

SECTION-B LAQ (30 Marks)

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

a) A 40 year old female known case of diabetes and hypertension is diagnosed with Left ACA infarct 2 months back. At present she has grade 2 spasticity in her right upper and lower limbs. She stays on the second floor without lift facility. She is a housewife and has a family of 3 people.

   i) Write ICF with clinical reasoning.   [5]

   ii) Describe short term and long term Physiotherapy Interventions in details.   [10]

b) Discuss ICF with clinical reasoning and detailed physiotherapy management for a 30 year old female patient who is a case of acute transverse myelitis at the level of T10 vertebrae.   [5+10]

4. Long answer question (**any one** out of two) :   [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 regular school. Formulate the short term and long term goals of management.   [5+5+5=15]

b) Discuss ICF with clinical reasoning for a 65 year old retired male clerk suffering from Parkinson's disease for last 3 years. He currently is on medications. He is graded 3 on Yahr scale. Write short term and long term goals of physiotherapy management in detail.   [5+5+5=15]

Fourth B.P.Th. (2012) Examination, Summer - 2021
CARDIOVASCULAR - RESPIRATORY PHYSIOTHERAPY
(INCLUDING CRITICAL CARE)

Total Marks : 80

Total Duration : Section A + B = 3 Hours

SECTION - A & SECTION - B

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

SECTION-A SAQ (50 Marks)

1. Short answer question (**any five** out of six) :   [5 × 3 = 15]

   a) Define the terms humidification and Nebulization.

   b) Enumerated different reasons for desaturation with exercise.

   c) Enumerate various evaluation parameters' for peripheral arterial disorders.

   d) Enumerate the list of precautions following radical mastectomy.

   e) Radiological features seen in a tetralogy of fallot.

   f) Grades of NYHA Scale.

2. Short answer question (**any five** out of six) :   [5 × 7 = 35]

   a) Discuss diaphragm recruitment and strengthening.

   b) Risk assessment and stratification for coronary artery disease.

   c) PEP devices - principal, classification & types.

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d) Plan PT management for a 43 year old male farmer with ILD, presenting with heterogenous opacities in the right lung, MMRC grade 2, dry cough & generalised weakness.

e) Plan PT management for a 33 year old female receptionist with lymphoedema.

f) Discuss physiotherapy management on ventilator.

SECTION-B LAQ (30 Marks)

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

a) 34 year old male smoker, diagnosed with post PTB bronchiectasis, complains of breathlessness MMRC grade 3, productive cough with copious amounts of sputum. Chest radiograph shows heterogenous opacities all over lung fields with tracheal shift to left side. Discuss ICF & PT management for this case. [7+8=15]

b) 48 year old driver operated for right BK amputation 7 days back, due to peripheral arterial disease. Popliteal artery on the same side is grade 1+. On the left side the dorsalis pedis & posterior tibial are 2+. Discuss ICF & PT management for him. [7+8=15]

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

a) 35 year old housemaid suffered accidental stove burns 3 days back affecting her upper chest, face & bilateral upper limbs. Discuss her ICF & PT management. Write the Wallace's Rule of Nine. [6+6+3=15]

b) 43 year old businessman has undergone CABG 20 days back. He is a known case of type II DM since 5 years on regulat medication with BMI 32. Plan his phase II cardiac rehabilitation program along with ICF for the same. Give grades of Obesity. [5+7+3=15]

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Fourth B.P.Th. (2012) Examination, Summer - 2021
COMMUNITY PHYSIOTHERAPY

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

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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) What is Aerobic Exercise?
   b) Enumerate Musculoskeletal dysfunctions seen in pregnancy.
   c) What is Job Demand Analysis?
   d) Ergonomic advice for a lactating mother.
   e) What is Vocational Rehabilitation?
   f) Write on Healthcare delivery system in India.

2. Short answer question (**any five out of six**) :   [5 × 7 = 35]
   a) What are Musculoskeletal hazards resulting from prolonged standing?
   b) Enumerate theories of ageing. Describe any one of them.
   c) What is Uterine prolapse? Enumerate their grades and their physiotherapy management.
   d) What are the strategies of health promotion for rural women?
   e) Role of Medical Social Worker in Rehabilitation team.
   f) Write on Cognitive ergonomics.

SECTION-B LAQ (30 Marks)

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

   a)   A 35 yrs old Banker with height 155 cms. and weight 96 kgs. gives history of weight gain following a Cesarean section delivery, six years back. Her working hours are prolonged and doesn't need to look after home making. Discuss exercise prescription, lifestyle modification and ergonomic advice for her.   [5+5+5=15]

   b)   A 36 yrs old married female with 1 yr old son, computer operator by occupation since last 3 yrs, complains of neck and shoulder pain since last six months. Discuss functional diagnosis, short term and long term goals of management.   [5+5+5=15]

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

   a)   Discuss task analysis for a 40 yrs old male working at a coalmine since 15 yrs. He complains of difficulty in breathing and occasional cough since last one year. Discuss the following   [5+5+5=15]

   i)   Task analysis

   ii)   Functional diagnosis

   iii)   Preventive measures for the same

   b)   A 62 yrs old female complains of pain in neck and upper back since last 2 yrs. She lives in an independent bunglow with her husband who is 67 yrs old and has a domestic help for the home making. Discuss functional diagnosis and physiotherapy plan of management.   [5+10=15]

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