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51411

# Fourth BPTH (2012) Examination, Summer (Phase - II) 2019
# 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 of common answer book for all section.*

## SECTION - "A" SAQ **(50 Marks)**

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

a) Clinical features in acute ankle sprain.

b) Boutenneire's deformity.

c) Grades of traction.

d) Any three differences between close and open kinetic chain exercises.

e) Clinical features in reflex sympathetic dystrophy.

f) Clinical tests for patellofemoral pain syndrome(any two).

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

a) Orthotic support in radiculopathy.

b) Upper crossed syndrome.

c) Plantar fascitis.

d) OPD management for post operative colle's fracture.

e) Therapeutic exercises in ankylosing spondylitis.

f) Scoliosis.

## SECTION - "B" LAQ (30 Marks)

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

a) Open reduction internal fixation of fracture supracondylar humerus (R) is done in 12 years old boy who is complaining of shoulder and elbow restriction.Discuss ICF, management and precautions.

ICF. - 4 marks

Management. 8 marks

Precautions. 3 marks

b) A 55 years old female residing on second floor is complaining of moderate swelling around right knee and difficulty in squatting .Give ICF, short and long term management of the same. Add a note on extension lag. ICF. 3 marks

Short term management. 3 marks

Long term management. 6 marks

Extention lag. 3 marks

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

a) A 65 years old grocery shop owner is posted for total hip replacement. Discuss preoperative and postoperative protocol for the same. Rationalise do's and don'ts in THR.

Preoperative management. 3 marks

Postoperative management. 7 marks

Do's and don'ts. 5 marks

b) A 22 year old football player complained of recurrent buckling and giving way sensation of right knee since 6 months for which he has undergone ACL reconstruction 2 days back. Discuss ICF and phasewise physiotherapy protocol. ICF. 5 Marks

Rehabilitation protocol. 10 marks

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**51414**

# Fourth BPTH (2012) Examination, Summer (Phase - II) - 2019
## COMMUNITY PHYSIOTHERAPY

Total Duration : Section A+B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

*Instructions :*

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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" SAQ (50 Marks)

1. Short answer question (**any five** out of six) : **[5 × 3 = 15]**
   a) What is W.H.O. definition of health?
   b) What is ergonomic physiotherapy evaluation?
   c) Enumerate age related changes in cardio-respiratory system.
   d) Enumerate any three hazards caused by the exposure to chemical agents.
   e) What are the principles of Aerobic training?
   f) Enumerate types of Disabilities.

2. Short answer question (**any five** out of six): [5 × 7 = 35]
   a) What is the role of breathing exercises during labour?
   b) Write on Functional Capacity evaluation.
   c) Write on the Role of N.GO. in Physical Rehabilitation team.
   d) Write on Ergonomic care for Physiotherapists.
   e) What is the importance of Task Analysis?
   f) What are the types of Stress Incontinence and write on their P.T. management?

## Section - "B" LAQ (30 Marks)

3. Long answer question (**any one** out of two) : [1 × 15 = 15]
   a) A 36 yrs old female, teacher by occupation since 8 yrs, who is overweight since 4 yrs, who needs to use black board for class room teaching, complains of neck and shoulder pain since last two months. Discuss task analysis and goals of management considering health promotion and ergonomics. [5+5+5=15]
   b) Discuss task analysis for a 40 yrs old male working at an automobile industry as an employee, who has to work in stooping and squatting postures since last 14 yrs and complains of knee and ankle pain since one year. Discuss as following : [5+5+5=15]
      i) Task analysis
      ii) Functional diagnosis
      iii) Preventive measures for the same

4. Long answer question (**any one** out of two) : [1 × 15 = 15]
   a) 69 yrs old male person with lower socioeconomical status and strained family background, complains of pain while walking and has difficulty during stair ascending and descending. He stays at a Charitable Geriatric Care Centre on the second floor. Discuss functional diagnosis and physiotherapy plan of management. [5+10=15]
   b) A 35 yrs old housewife with height 150 cms and weight 80 kgs is referred for weight reduction.She is the sole person to manage all the housework and the cooking for 5 family members including 2 of her children. Discuss exercise prescription and lifestyle modification for her. [10+5=15]



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51413

# Fourth BPTH (2012) Examination, Summer
## (Phase - II) - 2019
## Cardiovascular - Respiratory Physiotherapy (Including Critical Care)

Total Duration : Sec. A+B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

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*7) Use a common answer book for all sections.*

### Section - "A" SAQ (50 Marks)

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

a) State one effect of bed rest on any three different systems of human body.

b) Enumerate any three spirometric findings in restrictive lung condition.

c) Components of Active cycle of breathing technique.

d) Stages of wound healing.

e) Any three Splints used in burns with purpose of each.

f) State any three conditions in which nebulisers are used explaining its purpose in each.

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

a) What is diabetic foot and how to take care of a diabetic foot and why?

b) Physiotherapy for claudication in arterial disease involving popliteal artery at the knee.

c) Energy conservation techniques for COPD patients & its importance.

d) Describe various airway clearance techniques. Discuss the application, advantages and disadvantages of each.

e) What are the Complication that may arise after general surgery under general anaesthesia? How can they be prevented?

f) What are the various Exercise tolerance tests? what are the advantages and disadvantages of each?

## Section - "B" LAQ (30 Marks)

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

a) A 50 year old lady with history of pulmonary tuberculosis ten years back. She has completed full course of anti kochs medication. However it resulted in right lower lobe bronchiectasis. She had intermittent episodes of infection now & then for last ten years. At present she complains of increased frequency of infective episodes with productive cough with foul smelling sputum. It is difficult for her to even laugh or talk for long as it ends up with cough and stress incontinence. She has dyspnoea on performing accustomed activities. She works as a clerk and wishes to continue with work but is worried if she would be able to.

i) Discuss the reasons for her impairments [5]

ii) Plan a rehabilitation program for her [10]

b) A 45 year old milk man delivering milk door to door has undergone right below knee amputation two days back.He is a known case of diabetes and hypertension on medication but uncontrolled. He is the only earning member of a family of five members. Discuss the short term goals and the long term goals of his rehabilitation.How he can go back to his previous job?

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

a) A 55 year old male, manager of a multinational bank was diagnosed to have triple vessel disease & underwent CABG three weeks back. He was discharged from the hospital after three days post operation; however he did not follow the advice of the physiotherapist. He is now referred for rehabilitation at first followup. He is a chronic smoker not ready to quit smoking. He is trying to alter his dietary habit with some success. BMI is 30 and has low levels of HDL cholesterol. The incision is well healed but patient is unable to raise his hands above head.

i) Discuss the impairments With clinical reasoning [5]

ii) Physiotherapy for each impairment [7]

iii) Suggest life style modification with reason for the same. [3]

b) Forty year old Sunita has undergone Right radical mastectomy three days back. Discuss the immediate and late complications that may arise and ways to prevent them. She is right handed and has heavy cooking duty as she gives tiffin boxes to ten clients in the morning and evening. Plan a rehabilitation program for her with reasoning. Why and how does she need to take care of her hand life long?



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**51412**

# Fourth BPTH (2012) Examination, Summer (Phase - II) - 2019
## NEURO PHYSIOTHERAPY

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

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*7) Use of common answer book for all sections.*

SECTION - "A" SAQ **(50 Marks)**

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

a) Glasgow coma scale.

b) Pseudobulbar palsy.

c) ASIA scale.

d) Assessment of unilateral visual neglect.

e) Modified ashworth scale.

f) Assessment of sensory ataxia.

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

a) Physiotherapy management for Gullian Barre syndrome.

b) Explain tone inhibiting techniques.

c) Physiotherapy management for multiple sclerosis.

d) Explain domains of ICF.

e) Physiotherapy management for spastic cerebral palsy.

f) Physiotherapy management for hemiplegic gait.

## SECTION - "B" LAQ **(30 Marks)**

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

a) 33 years old male underwent craniotomy secondary to right thrombotic stroke six months back. He has past history of DVT. He has now difficulty in using his left hand for activities of daily living and can walk slowly using circumduction gait pattern.

i) Discuss ICF.

ii) Discuss short and long term goals and physiotherapy management.

**(5+10=15)**

b) A 6 months old baby is unable to move right upper limb since birth. Mother gives history of forceps delivery. All other developmental milestones are normal.

i) Give differential diagnosis.

ii) Discuss short and long term goals and Physiotherapy management.

**(5+10=15)**

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

a) 36 years old male computer operator by profession had road traffic accident six months back and was diagnosed as traumatic fracture L1.

i) Discuss ICF.

ii) Discuss short and long term goals and physiotherapy management.

**(5+10=15)**

b) A 68 years old male was diagnosed as Parkinson's disease three years back. He is able to walk indoor with stooped posture and has difficulty in outdoor activities.

i) Discuss ICF.

ii) Discuss physiotherapy management.

iii) Discuss home management to allow him for better performance in ADL's.

**(5+5+5=15)**

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