

**Fourth B.P.Th. (Revised) Examination, Winter 2013
PHYSIOTHERAPY IN GENERAL MEDICAL AND SURGICAL
CONDITIONS**

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION – B & SECTION – C

Instructions: 1) *All questions are compulsory.*

2) *The number to the right indicates full marks.*

3) *Draw diagrams wherever necessary.*

4) *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.*

SECTION – B

(30 Marks)

2. Answer the following (any five out of six) :

(5×3=15)

- a) Management of hypertrophic scar.
- b) Buerger's exercises.
- c) Principle of working of jet nebulizer.
- d) Factors affecting ciliary transport.
- e) Flow volume loop in patients with airway obstruction.
- f) Phase 1 of cardiac rehabilitation.

3. Answer the following (any three out of four) :

(3×5=15)

- a) Give differences between full thickness and partial thickness burns.
- b) PT management of varicose ulcer.
- c) Post prosthetic physiotherapy management following BK amputation.
- d) Differences between adult and paediatric respiratory systems.

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

SECTION - C

(30 Marks)

4. 58 year old male patient suffered from anterolateral wall myocardial infarction 2 weeks back. He was admitted in ICU and discharged yesterday. He is a known case of diabetes since 15 years. His BMI is 32. Resting HR=65/min and BP= 140/90. He stays alone with his wife. Give his ICF and discuss his short term and long term physiotherapy management. (1×15=15)
5. a) 25 year old labourer was admitted yesterday in acute burns unit with burns on face, neck and trunk because of bursting of gas cylinder. He is unmarried and stays with his old parents and three brothers. Give his ICF and discuss his short term and long term physiotherapy management. (1×15=15)

OR

5. b) 50 year old male patient, a chronic smoker and tobacco chewer, comes with complaints of severe pain in both calf muscles on walking 200 meters which is relieved on rest. His Doppler studies show bilateral reduction in blood flow in both lower limbs, left more than right. He is a salesman by occupation. Give his ICF and discuss short term and long term Physiotherapy management. (1×15=15)

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**Fourth B.P.Th. (Revised) Examination, Summer 2014
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SECTION – B & SECTION – C

- Instructions:**
- 1) Use **blue/black** ball point pen only.
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 - 3) **All questions are compulsory.**
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 - 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 – B

(30 Marks)

2. Answer the following (any five out of six) :

(5×3=15)

- a) PEEP
- b) Autogenic drainage
- c) Cardiac markers.
- d) Metabolic Equivalent
- e) Radiographic features of bronchiectasis
- f) Contraindications to Bruc's protocol.

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3. Answer the following (any three out of four) : (3×5=15)

- a) PT management of left lower lobe pneumonia
- b) PT management of amputated stump post gangrene
- c) Long term PT management of a 10 year old boy with cystic fibrosis.
- d) Low flow oxygen systems.

SECTION – C

(30 Marks)

(1×15=15)

4. A 54 year old lady suffering from type II DM since past 10 years had to undergo a below knee amputation 2 weeks back due to chronic non healing ulcer on the right leg. She stays with her brother in their native place. Her BMI is 29.2 and waist : hip ratio is 0.96. Discuss her functional diagnosis. Discuss her short term and long term goals for PT management. (5+4+6=15)

(1×15=15)

5. a) A 60 yr old retired watchman was admitted with acute exacerbation of bronchial asthma 5 days back to the IRCU. Today his ABG report is pH : 7.30, pCO₂ : 52mm Hg, pO₂:72mmHg, BE : 2.5, HCO₃ : 29mEq/Lt. He is a chronic smoker since past 40 years and is allergic to cold climate. Discuss his functional diagnosis. Discuss his short and long term PT management. (5+4+6=15)

OR

(1×15=15)

b) A 40 year old IT professional suffered an Anterior wall myocardial infarction 2 days back. He was immediately thrombolysed. He is a chronic smoker and alcoholic. He has family history of Hypertension and DM type II. Discuss his functional diagnosis. Discuss his cardiac rehab phase I. Suggest lifestyle modifications for him. (6+5+4=15)

Fourth B.P.Th. (Revised) Examination, Summer 2013
PHYSIOTHERAPY IN GENERAL MEDICAL AND SURGICAL CONDITIONS

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SECTION – B & SECTION – C

Instructions: 1) *All questions are compulsory.*

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SECTION – B

2. Answer the following (any five out of six)

(5×3=15)

- a) Risk factors for coronary artery disease.
- b) Phases of autogenic drainage.
- c) Any 3 incisions for appendicectomy.
- d) Clinical features of inhalation burns.
- e) Coughing.
- f) Contra indications of suctioning (any six)

3. Answer any three out of four :

(3×5=15)

- a) Active cycle of breathing technique
- b) Absolute contraindications for exercise testing
- c) Ventilatory muscle training.
- d) Jet Nebuliser

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SECTION - C

4. A 50 year old female is a known case of COPD and is admitted with acute exacerbation since 5 days. Discuss ICF and plan short and long term goals. (5+5+5=15)

5. A 40 years old female patient is referred to physiotherapy with a oedema in right upper limb following radical mastectomy 15 days back.

Discuss the I.C.F. 5

Short term goals 5

Long term goals 5

15

OR

Discuss the causes, clinical features and physiotherapy management of a 45 year old male patient of respiratory failure. (5+3+7=15)



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Fourth BPTH (Revised), Winter 2014

PHYSIOTHERAPY IN GENERAL MEDICAL AND SURGICAL CONDITIONS
(Syllabus of Revised Is Applicable to Old/New)

Total Duration : Section A + B = 3 Hours

Marks : 80

Section-B and Section-C

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.
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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) :

(5x3=15)

- a) Role of bandaging in amputation patients.
- b) Technique of percussion in neonates.
- c) Equal pressure point and its significance.
- d) Hazards of bed rest.
- e) Enumerate possible mechanisms of sputum retention in patients on mechanical ventilation.
- f) Physical activity and exercise pyramid.

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

(5X7=35)

- a) PT management following inhalation burns.
- b) PT management following modified radical mastectomy.
- c) Pre-prosthetic management following Above knee amputation.
- d) Role of electrotherapy in wound healing.
- e) PT Management for status Asthmaticus
- f) Life style modifications following CABG

SECTION - B (LAQ)

(30 Marks)

3. a) 30 year old female patient has undergone Mitral valve replacement yesterday. She is married and has a 6 month baby. Her ECG shows atrial fibrillation and 2D Echo shows Left ventricular ejection fraction 35%. Give her ICF. Discuss short term and long term physiotherapy management. (1x15=15)

Or

- b) Forty year old right handed female patient has undergone right radical astectomy three days back. She is unmarried, staying with parents. She is a school teacher & is worried if she would be able to continue with her job. Discuss her functional impairments with clinical reasoning (5) discuss management and lymphoedema therapy (7) Reason out why she has to take certain precautions life long. (3).

(1x15=15)

4. a) 55 year old morbidly obese female with known case of diabetes, has swelling in both feet, left more than right, and a non healing ulcer behind left medial malleolus. She has varicose veins in both feet. She has 4 children and is a housewife. She stays in a chawl. Give her ICF and discuss her short term and long term physiotherapy management.

OR

- b) 60 year old COPD patient has undergone surgery for inguinal hernia yesterday. He is a retired widower staying with his son and his family. Give his ICF and discuss short term and long term physiotherapy management.



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**Fourth B.P.Th. (Revised) Examination, Summer 2014
PHYSIOTHERAPY IN NEURO-SCIENCES**

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks : 60

SECTION- B and SECTION - C

- 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.*
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 - 7) *Use a common answer book for all Sections.*

SECTION – B

(30 Marks)

2. Answer the following (**any five** out of six) : (5×3=15)
- a) Describe festinating gait.
 - b) Write a short answer on Neuropathic pain.
 - c) Explain blocked versus random practice with examples.
 - d) Any 2 complications of spinal cord injury and their prevention.
 - e) Orthosis for foot drop.
 - f) Erbs palsy.
3. Answer the following (**any three** out of four) : (3×5=15)
- a) Describe Systems theory of Motor Control.
 - b) Describe physiotherapy management of hemiplegia in the flaccid stage.
 - c) Physiotherapy management in Bells palsy.
 - d) Gait training in patient with Parkinsons disease.

SECTION - C

(30 Marks)

4. A 34 year old bank manager suffered a spinal cord injury at T6 level 6 months ago. His spine is surgically stabilised and he is now able to sit without support. He has come to you for further rehabilitation including gait training. What is his ICF ? Discuss his short term and long term goals. (1×15=15)
5. a) A 10 year old boy comes to you with complains of frequent falls and difficulty to stand up from floor. Both his calf muscles are hypertrophied. He is the only son of his parents. Discuss his ICF and give his short term and long term treatment plan. (1×15=15)

OR

-
5. b) A 25 year old computer operator suffered Guillian Barre syndrome 2 weeks ago. He was in ICU on ventilator for 2 days. He underwent plasmaphoresis following which he showed improvement. Currently he is in wards and is able to roll and sit in bed with difficulty. Discuss his ICF and give his short term and long term treatment plan. (1×15=15)



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Fourth B.P.Th. (Revised) Examination, Summer 2013
PHYSIOTHERAPY IN NEURO-SCIENCES

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION - B & SECTION - C

- Instructions:**
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SECTION - B

2. Answer the following (any five out of six):

(5×3=15)

- a) Three causes of carpal tunnel syndrome
- b) Three signs of cerebellar ataxia
- c) Knuckle bender splint
- d) Assessment of tone
- e) Three techniques to trial standing balance
- f) Three differences in UMN and LMN lesion.

3. Answer the following (any 3):

(3×5=15)

- a) Management of automatic bladder
- b) Bell's palsy management
- c) P.T. management of G.B. syndrome
- d) Care of anaesthetic hand.



SECTION - C

4. A 59 year old school teacher who is a known hypertensive had sudden bouts of projectile vomiting and loss of consciousness after which he developed weakness on his right side. (1×15=15)

Discuss the functional diagnoses with ref. to ICF 5

Short term goals 5

Long term goals. 5

5. A 65 year old retired police officer complains of slowness of movements, tremor at rest since 6 months and also complains of difficulty in initiating movements. (1×15=15)

Discuss the functional diagnosis with ref. to ICF. 3

Short term goals. 5

Long term goals. 7

OR

5. A three year old female child is referred for physical therapy with the diagnosis of cerebral palsy of ataxic hypotonic variety. She has severe Mental Retardation and has just achieved head holding. Parents are uneducated but very motivated and belong to low socio-economic group. (1×15=15)

i) Describe the functional impairments with clinical reasoning. 3

ii) Plan the home program for this child. 5

iii) Plan term goal with treatment techniques. 7



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**Fourth BPTH (Revised), Winter 2014
PHYSIOTHERAPY IN NEURO-SCIENCES
(Syllabus of Revised is Applicable to Old/New)**

Total Duration : Section A + B = 3 Hours

Marks : 80

S Section-A and 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.
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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) :

(5x3=15)

- a) Write a short note on Orthotic consideration in hemiplegic foot.
- b) W-sitting posture.
- c) Write about the Adaptations in wheelchairs for children.
- d) Explain the techniques used in patients with hypotonia.
- e) Describe the splint used for ulnar nerve palsy.
- f) Write a short note on Neuropathic pain.

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

(5X7=35)

- a) What are the principles of management of anaesthetic foot.
- b) Describe the PT management of Meningomyelocoele.
- c) Discuss gait training in a patient with Parkinsons disease.
- d) Describe PT management in recovery stage of Guillian Barre Syndrome
- e) Treatment for cerebellar lesions
- f) PT Management for Myasthenia gravis

SECTION - B (LAQ)

(30 Marks)

3. a) A 30 year old male patient comes with progressive weakness in both hands and difficulty in walking since 6 months. He has fasciculations present in the tongue. He is currently admitted for lung infection. He is married and has a small child. He works as a TC in the Railways. Give his ICF. Discuss Short term and long term goals and Physiotherapy Management. (5+10).

(1x15=15)

OR

- b) A 34 year old bank manager suffered a spinal cord injury at T6 level 6 months ago. His spine is surgically stabilised and he is now able to sit without support. He has come to you for further rehabilitation including gait training. What is his ICF? Discuss his short term and long term goals

4. a) 40 year old male patient comes with complaints of sudden onset weakness in both lower limbs since 2 weeks. He has been diagnosed as Transverse myelitis (D8-D11 level). He is the sole bread earner in a family of 4 with 2 children. Give his ICF. Discuss his short term and long term goals with Physiotherapy management. (5+10 Marks).

(1x15=15)

OR

- b) An 8-year old boy comes with spastic weakness in both lower limbs. He gives history of prematurity with low birth weight. He has been diagnosed as Spastic diplegia. He goes to a normal school. His class is on the first floor. Give his ICF. Discuss his short term and long term goal with Physiotherapy management. (5+10 Marks).

**Fourth B.P.Th. (Revised) Examination, Winter 2013
PHYSIOTHERAPY IN NEURO-SCIENCES**

Total Duration: Section A + B + C = 3 Hours

Section A Marks: 20

**SECTION – A
(MCQ)**

- Instructions:**
- 1) Fill (dark) the appropriate empty circle below the question number once only.
 - 2) Use blue/black ball point pen only.
 - 3) Each question carries one mark.
 - 4) A student will not be allotted any marks if he/she overwrites, strikes out or puts white ink on the circle once filled (darkened).
 - 5) 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.

1. All of the following sensations are carried by exteroceptors EXCEPT

- a) Pain
- b) Light touch
- c) Pressure
- d) Proprioception.

2. Contralateral hemiparesis and hemisensory loss of mainly the lower extremity with urinary incontinence are signs and symptoms of which syndrome ?

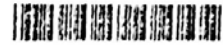
- a) Anterior cerebral artery
- b) Posterior cerebral artery
- c) Middle cerebral artery
- d) Vertebro-basilar artery

3. In normal development, the ATNR is integrated by

- a) 2-3 months
- b) 4-6 months
- c) 6-8 months
- d) 9 months

4. Pushers syndrome occurs due to a lesion in

- a) Frontal lobe
- b) Temporal lobe
- c) Parietal lobe
- d) Occipital lobe



SECTION - C

4. A 59 years old school teacher who is a known hypertensive, had sudden bouts of projectile vomiting and loss of consciousness after which he developed weakness on his right side. (1×15=15)

Discuss the functional diagnosis with ref to ICF. 5

Short term goals. 5

Long term goals. 5

5. A 10 years old child has difficulty in getting up and climbs on himself if asked to do so, he has gained more weight during the last 6 months and has hypertrophy of calf. (1×15=15)

Discuss the functional diagnosis with ref to ICF. 5

Short term goals. 5

Long term goals. 5

OR

-
5. A 60 years old male diagnosed with Hemiplegia with Occlusion on the left MCA.

Discuss the functional diagnosis with ref to ICF 5

Short term goals 5

Long term goals 5

Fourth B.P.Th. (2012) Examination, Summer 2016
COMMUNITY PHYSIOTHERAPY

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION – A & SECTION – B

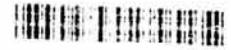
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 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
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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) Role of non government organization in community welfare.
 - b) Note on aspects of Community Based Rehabilitation (CBR).
 - c) Note on primary and secondary disability.
 - d) Visual changes due to aging.
 - e) Muscles of pelvic floor.
 - f) Job simulation.

2. Short answer question (**any five** out of six) : (5×7=35)
 - a) Ergonomics for low backache in housemaid.
 - b) Different field tests used in athlete training.
 - c) Importance of ergonomic evaluation at work place.
 - d) General principles of exercise and phases.
 - e) Different methods of measuring body composition.
 - f) Elaborate deconditioning effects of bed rest.

P.T.O.



SECTION – B LAQ (30 Marks)

3. Long answer question (**any one** out of two) : (1×15=15)
- a) A 45 year old male working in an automobile company (vibrations) without any precaution comes to the PT department with complains of tingling numbness & pain in bilateral hands.
- i) Discuss functional diagnosis with clinical reasoning. 5
 - ii) Give short term goals and management. 7
 - iii) Preventive gears and instruments. 3
- b) A 30 year old male working in sand industry complaining of exertional dyspnea since last 6 months with occasional mucoid expectoration. X-ray shows patchy consolidation.
- i) Discuss functional diagnosis. 5
 - ii) Discuss physiotherapy management in detail. 10
4. Long answer question (**any one** out of two) : (1×15=15)
- a) A 25 year old female underwent full term normal vaginal delivery with episiotomy 15 days back is referred to physiotherapy department for post natal care.
- i) Discuss functional diagnosis. 5
 - ii) Discuss physiotherapy management in detail. 10
- b) A 50 year old male having sedentary life style suffering from class I obesity, he is also having knee joint pain bilaterally.
- i) Discuss functional diagnosis. 5
 - ii) Discuss physiotherapy management in detail. 10
-

**Fourth B.P.Th. (2012) Examination, Winter 2016
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) : (5x3=15)
 - a) Define Impairment, Disability and Handicap.
 - b) Write a note on levels of Disability prevention.
 - c) Enumerate the Deconditioning effects of Bed rest.
 - d) Define Obesity and Enumerate types of Obesity.
 - e) Write a note on Musculoskeletal changes due to Aging.
 - f) Enumerate causative factors for Cumulative Trauma Disorders.

2. Short answer question (**any five** out of six) : (5x7=35)
 - a) Define Ageing. Mention types of Ageing. Enumerate genetic theories of Ageing.
 - b) Difference between I.B.R. and C.B.R.

P.T.O.



- c) Explain methods to measure Body Composition.
- d) Diastasis – Evaluation and Management
- e) Note on Functional Capacity Evaluation.
- f) Note on Energy systems.

SECTION – B

LAQ

(30 Marks)

3. Long answer question (**any one** out of two) : (1x15=15)
- a) A 54 yrs home maker old lady with height 150 cms. and weight 75 kgs., presents with complaints of bilateral knee pain, right more than left. Pain increases on walking and much more on stair climbing. Give I.C.F. and prepare a Rehabilitation programme. (5+10=15)
 - b) A 75 yrs old lady presents with right sided Wrist stiffness. H/o Colle's fracture following a fall about 6 months back. Write down different aspects to be evaluated. Prepare a rehabilitation protocol for the same. (8+7=15)
4. Long answer question (**any one** out of two) : (1x15=15)
- a) A 50 yrs old male executive works as an Accounts Manager in a Multinational company with case history of neck and back pain since last 2 months. Pain aggravates after work while reduces after rest and sleep.
 - i) Which level of C.T.D. he is in ? 2
 - ii) Write about his job analysis. 5
 - iii) Plan the physiotherapy management. 8
 - b) A 58 yrs female has come for medical advice with case history of something coming out of her vagina and dribbling of urine, both on coughing and straining since last 5 months. P/V examination suggests of grade I prolapse. Plan physiotherapy assessment and management. (10+5=15)



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**Fourth B.P.Th. (Revised) Examination, Summer 2013
PHYSIOTHERAPY IN COMMUNITY HEALTH**

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION – B & SECTION – C

Instructions: 1) *All questions are compulsory.*

2) *The number to the right indicates full marks.*

3) *Draw diagrams wherever necessary.*

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SECTION – B

2. Answer the following (**Any five** out of six) :

(5×3=15)

- a) Principles of ergonomics
- b) Role of Physiotherapy for a lactating mother
- c) Falls in geriatrics
- d) Posture correction in pregnancy
- e) Pelvic floor muscle dysfunction
- f) How socioeconomic factors affect the Physiotherapy services in India.

3. Answer the following (**any three** out of four) :

(3×5=15)

- a) Respiratory and cardiovascular changes in geriatric population
- b) Hysterectomy its complications and PT management
- c) Exercise during antenatal and post natal period
- d) Management for Stress Incontinence.

P.T.O.



SECTION – C

(30 Marks)

(1×15=15)

4. Malti, 57 years old, teacher, staying on the second floor in a building without lift is referred for physiotherapy. She is 6 weeks post surgery-dynamic hip screw fixation done for inter-trochantric fracture femur. She has one son studying in college and her husband is a manager in the bank.

- 1) Discuss disability component of ICF. 5
- 2) State contextual factors. 3
- 3) Discuss aims of management for this patient keeping in mind her disability and contextual factors. 7

5. a) Raghavan, 40 year old, head clerk by occupation has been referred to PT department with a medical diagnosis of PID at L4-L5 level and treated conservatively for 8 weeks. MRI investigations show affection of the exiting motor nerve root only and traversing roots are all spared. At present his chief complaints are difficulty in walking, ascending and descending stairs and inability to squat, hence toilet activities. He has to resume his duty after a month. His fear is whether he will be able to travel to office by rickshaw which is 10 minutes from his home and be able to resume for his desk job. His friends at work place have assured him of all the help required. (1×15=15)

- 1) Enumerate only two main structural impairments responsible for his above mentioned difficulty in ADL and describe altered gait mechanics at the ankle only. 2
- 2) Describe how environmental factors with reference to physical, attitudinal and social context affect his capacity to function. 6
- 3) Set goals for this patient keeping his disability in mind. 4
- 4) Discuss with reasoning whether flexion type or extension type or both the type of exercises will be prescribed for this patient. 3

OR

5. b) Seeta, 50 yr. old female, comes with a history of fall on an outstretched hand, diagnosed to have right sided colles fracture five weeks back, has developed excessive swelling, pain, range restriction over right wrist and hand. She was treated conservatively and immobilized in plaster cast. (1×15=15)

Write functional diagnosis, goals and management for her. (7+4+4)



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Fourth B.P.Th. (Revised) Examination, Winter 2013
PHYSIOTHERAPY IN MUSCULOSKELETAL CONDITIONS

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks : 60

SECTION - B & SECTION - C

- Instructions:**
- 1) All questions are compulsory.
 - 2) The number to the right indicates full marks.
 - 3) Draw diagrams wherever necessary.
 - 4) 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.

SECTION - B

(30 Marks)

2. Answer the following (any five out of six) : (5x3=15)
- a) Rationale for asking information regarding aggravating and relieving factors for pain.
 - b) Enumerate any three assessments to find joint capsule as a source of symptom.
 - c) Write any three impairments due to increase in thoracic kyphosis.
 - d) State aims of management with reasoning during proliferative phase (second) of tissue healing.
 - e) State aims of physiotherapy intervention pre operatively for a patient undergoing tendon transfer surgery.
 - f) State any three structural impairments that can alter glenohumeral rhythm.
3. Answer the following (any three out of four) : (3x5=15)
- a) Discuss importance of ankle movements in gait cycle.
 - b) Discuss the importance of concentric and eccentric training of lower extremity muscles during remodelling phase of rehabilitation.
 - c) Discuss aims of treatment with interventions for a patient with tennis elbow.
 - d) Discuss different grades of Maitlands joint mobilization technique with respect to joint reactivity.



SECTION - C

(30 Marks)

(1×15=15)

4. Malti, 57 years old, teacher, staying on the second floor in a building without lift is referred for physiotherapy. She is 6 weeks post surgery-dynamic hip screw fixation done for inter-trochantric fracture femur. She has one son studying in college and her husband is a manager in the bank.

1) Discuss disability component of ICF. 5

2) State contextual factors. 3

3) Discuss aims of management for this patient keeping in mind her disability and contextual factors. 7

5. a) Raghavan, 40 year old, head clerk by occupation has been referred to PT department with a medical diagnosis of PID at L4-L5 level and treated conservatively for 8 weeks. MRI investigations show affection of the exiting motor nerve root only and traversing roots are all spared. At present his chief complaints are difficulty in walking, ascending and descending stairs and inability to squat, hence toilet activities. He has to resume his duty after a month. His fear is whether he will be able to travel to office by rickshaw which is 10 minutes from his home and be able to resume for his desk job. His friends at work place have assured him of all the help required. (1×15=15)

1) Enumerate only two main structural impairments responsible for his above mentioned difficulty in ADL and describe altered gait mechanics at the ankle only. 2

2) Describe how environmental factors with reference to physical, attitudinal and social context affect his capacity to function. 6

3) Set goals for this patient keeping his disability in mind. 4

4) Discuss with reasoning whether flexion type or extension type or both the type of exercises will be prescribed for this patient. 3

OR

5. b) Seeta, 50 yr. old female, comes with a history of fall on an outstretched hand, diagnosed to have right sided colles fracture five weeks back, has developed excessive swelling, pain, range restriction over right wrist and hand. She was treated conservatively and immobilized in plaster cast. (1×15=15)

Write functional diagnosis, goals and management for her. (7+4+4)



63931

Fourth B.P.Th. (Revised) Examination, Summer 2013
PHYSIOTHERAPY IN MUSCULOSKELETAL CONDITIONS

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION - B & SECTION - C

Instructions: 1) All questions are compulsory.

2) The number to the right indicates full marks.

3) Draw diagrams wherever necessary.

4) 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.

SECTION - B

2. Answer any five out of six:

a) Bicipital tendinitis

(5×3=15)

b) Straight leg raise test

c) Hold-relax technique of MET

d) Hand to knee gait

e) Chondromalacia

f) Scapular stabilization exercises.

3. Answer any three out of four :

a) Physiotherapy management for adhesive capsulitis.

(3×5=15)

b) Clinical features and management of spondylolisthesis.

c) Management for congenital talipes equinovarus

d) Physiotherapy management for thoracic outlet syndrome.

63931



SECTION - C

4. A 45 years old housewife suffered right sided Colle's fracture, treated with closed reduction and immobilization two months back. Presently she complains of pain, swelling and stiffness of wrist and hand. 5

a) Discuss functional diagnosis. 4

b) Write a note on complications of the above condition. 6

c) Discuss physiotherapy management with rationale.

5. A 60 years old man suffered right shoulder dislocation and was treated conservatively. He complains of pain and weakness with inability to perform ADL's. He has a good socio-economic background. 5

a) Discuss functional diagnosis. 5

b) Plan short term management. 5

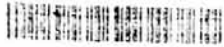
c) Plan long term management.

OR

5. A 20 year old tennis player twisted his elbow while playing. He developed profused swelling immediately. Describe detail physiotherapy management so that he can return to sport as early as possible. 5

a) Discuss functional diagnosis. 10

b) Describe physiotherapy management.



51411

Fourth B.P.Th. (2012) Examination, Winter 2016
MUSCULOSKELETAL PHYSIOTHERAPY

Total Duration : Section A/B = 3 Hours

Total Marks : 80

SECTION – A/B

- Instructions:**
- 1) Use **blue/black** ball point pen only.
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 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever necessary**.
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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) Two special tests to diagnose lateral epicondylitis.
 - b) Painful arc syndrome.
 - c) Upper cross syndrome.
 - d) What is Sulcus sign and explain its clinical relevance ?
 - e) Causes of Thoracic Outlet syndrome.
 - f) Grades of Maitland mobilization.

2. Short answer question (**any five** out of six) : (5×7=35)
 - a) Claw hand deformity.
 - b) Write structural and functional impairments in a patient suffering from ankylosing spondylosis.
 - c) PT management of conservatively treated patellar fracture.

P.T.O.

- d) Common deformities in Rheumatoid arthritis. Add a note on joint protection techniques in RA.
- e) PT management of anterior shoulder dislocation.
- f) PT management of Carpal Tunnel Syndrome.

SECTION – B
(LAQ)

(30 Marks)

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

(1×15=15)

- a) 45 year old government bank officer sustained fracture of shaft of humerus on right side 2 months back which was treated with open reduction internal fixation. At the time of injury, radial nerve was also injured because of which he had developed wrist drop. Currently patient has come for physiotherapy with the complains of shoulder and elbow stiffness and wrist drop.
 - i) Write his functional diagnosis with clinical reasoning.
 - ii) Short term and long term goals.
 - iii) PT management.

- b) 25 year old football player underwent ACL reconstruction with patellar tendon graft Rt side, 3 weeks back. Currently he is complaining of pain, swelling over his knee and oedema over the dorsum of foot. He has been advised Physiotherapy.

Write about

- i) Functional diagnosis with clinical reasoning.
- ii) Short term goals with appropriate precautions and contraindications and long term goals.
- iii) PT management.

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

(1×15=15)

- a) A 38 year old male working as software professional complains of pain on the left side of his neck radiating to left forearm since last 2 months. Pain On VAS is 3/10 at rest and 7/10 on extension, rotation & lateral flexion causing restriction of these ranges. It aggravates at the end of the day. Describe the special tests that you will perform for diagnosis. Add a note on Physiotherapy management.
- b) A 49 yr. old driver comes with Right Periarthritis Shoulder. Patient is diabetic since 5 years. Plan short & long term goals and Physiotherapy Management for the patient.



51411

Fourth B.P.Th. (2012) Examination, Summer 2016
MUSCULOSKELETAL PHYSIOTHERAPY

Total Duration : Sec. A + B = 3 Hours

Total Marks : 80

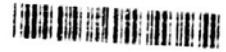
SECTION – A & SECTION – B

- Instructions :**
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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) Mention any 3 uses of taping in sports injuries.
 - b) Grades of mobilization according to Kaltenborn.
 - c) Patellar mal-tracking and its effects on quadriceps action.
 - d) Mention any 3 neuro-physiological effects of joint mobilization.
 - e) State any 3 differences between open and closed chain exercises.
 - f) Enumerate any 3 complications following Supracondylar fracture of Humerus.
2. Short answer question (**any five** out of six) : (5×7=35)
 - a) Rationale for exercise prescription in Osteoporosis.
 - b) Physiotherapy management of trans-femoral amputation.
 - c) Discuss physiotherapy management of Calcaneal spur.
 - d) Write with reasoning about physiotherapy management for recurrent shoulder dislocation.
 - e) Discuss diagnostic criteria for osteoarthritis Knee and its PT management.
 - f) Physiotherapy management for knee stiffness post fracture lower end femur treated with dynamic compression screw.

P.T.O.



SECTION – B LAQ (30 Marks)

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

(1×15=15)

- a) A 25 yr. old football player comes to you with complaints of pain and discomfort in the right knee since 2 months. He was diagnosed as a case of Right ACL tear Grade 2 along with tear of post horn of medial meniscus. He has undergone arthroscopic ACL reconstruction with shaving of medial meniscal post horn 3 days back.

Functional diagnosis with clinical reasoning.

(5)

Physiotherapy treatment plan.

(10)

- b) A 55 yr. old male, insurance banker by occupation comes with complaints of pain in left shoulder with inability to lift the shoulder for overhead activities. His ROM of flexion, abduction and external rotation is severely reduced along with reduction in strength (grossly grade 3-4). He has uncontrolled diabetes.

Explain - Functional diagnosis with clinical reasoning.

(5)

Physiotherapy treatment plan along with goals.

(10)

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

(1×15=15)

- a) A 65 yr. old male, retired banker by occupation comes with complaints of pain in left hip with difficulty to move the hip. He had sustained trauma post RTA 1 month ago and had ICNF (Intra Capsular Femoral Neck) fracture managed with a Dynamic hip screw. His ROM of flexion, abduction and external rotation is severely reduced along with reduction in strength (grossly grade 3-4).

Discuss - short term and long term goals.

(5)

Physiotherapy treatment plan.

(10)

- b) A 40 year old school teacher is referred to the physiotherapy department. She is having D 12 compression fracture without any neuro deficit and diagnosed as Lumbar canal stenosis with claudication and treated conservatively. She is married and has an 11 year old son.

Describe - functional diagnosis with clinical reasoning

(5)

Physiotherapy management.

(10)

Fourth B.P.Th. (2012) Examination, Winter 2016
CARDIOVASCULAR - RESPIRATORY PHYSIOTHERAPY
(Including Critical Care)

Total Duration : Section A+B = 3 Hours

Total Marks : 80

SECTION – A & SECTION – B

- Instructions :**
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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) Characteristics of deep partial thickness burns.
 - b) Any three incisions for abdominal surgery.
 - c) Hazards of suctioning.
 - d) Huffing and coughing techniques.
 - e) Three special tests to assess arterial insufficiency.
 - f) Clinical features of Tetralogy of Fallots.

2. Short answer question (**any five** out of six) : (5×7=35)
 - a) Phase one Cardiac Rehabilitation following Myocardial Infarction.
 - b) Physiotherapy management following below knee amputation.
 - c) Physiotherapy management of venous ulcers.
 - d) Discuss importance of pre-operative chest physiotherapy in major Abdominal surgeries.
 - e) Active cycle of breathing technique.
 - f) Physiotherapy management of right lower lobe bronchiectasis.

P.T.O.



SECTION – B LAQ (30 Marks)

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

a) A 50 year old male patient, chronic smoker since last 30 years, stays on 2nd floor with no lift facility, is admitted with chief complaints of dyspnea on performing activities of daily living and productive cough since past two days. His Pulmonary Function test shows moderate obstructive, he has mild hypoxaemia and hypercapnia. Discuss functional diagnosis, short term and long term Physiotherapy management. (5+5+5)

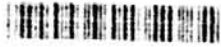
b) A 45 year old female patient, a farm labourer by occupation underwent right modified radical mastectomy two days back. She is married with two children. She is one of the earning members of the family and wishes to resume her farm activities. Discuss her functional diagnosis, short term and long term Physiotherapy management.

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

a) A 13 year old boy sustained burn injury during firecracker explosion. He suffered from inhalational burns with 30% neck, chest and hand partial thickness burns. Discuss functional diagnosis, short term and long term physiotherapy management. (5+5+5)

OR

b) A 40 year old male labourer, diagnosed case of hydated cyst of right lower lobe, underwent right lower lobe lobectomy two days back via a posterolateral thoracotomy. He is right hand dominant, is currently having cough with expectoration with an intercostal drain insituation. Discuss Functional diagnosis, short term and long term Physiotherapy management.



51413

Fourth B.P.Th. (2012) Examination, Summer 2016
CARDIOVASCULAR - RESPIRATORY PHYSIOTHERAPY
(Including Critical Care)

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION – A & SECTION – B

- Instructions :**
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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) Enumerate three electrotherapy modalities used to treat infected wound.
 - b) Enumerate three incisions used in an abdominal surgery.
 - c) Chyne-Stokes respiration.
 - d) Borg's CR10 Scale.
 - e) Bruce protocol.
 - f) Radiological findings of pleural effusion.

2. Short answer question (**any five** out of six) : (5×7=35)
 - a) Write two special test to assess venous insufficiency.
 - b) Physiotherapy management following gastrectomy.
 - c) Physiotherapy management following radical mastectomy.
 - d) Physiotherapy management for glycemic control in diabetes mellitus.
 - e) Write importance of life style modification in prevention of ischemic heart diseases.
 - f) Explain cardio-respiratory changes associated with aging and fitness program.

P.T.O.



SECTION – B LAQ (30 Marks)

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

a) A 55 years old male, farmer, chronic alcoholic, has suffered from myocardial ischemia 2 days back.

Discuss

- i) Functional diagnosis. 5
- ii) Physiotherapy management in detail. 10

OR

b) A 35 years old male laborers is diagnosed as a middle lobe bronchiectasis with chief complaint of cough with expectoration and breathlessness. Write

- i) Functional Diagnosis. 5
- ii) Short term and Long Term goals. 5
- iii) Physiotherapy management. 5

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

a) A 30 years old male has sustained 60% burns involving neck, chest and both arms. He is admitted in an ICU. Write

- i) Functional Diagnosis. 5
- ii) Physiotherapy management. 5
- iii) Role of positioning and splinting. 5

OR

b) A 25 years old male, chronic smoker, complains of intermittent claudication and cold feet with sweating. Write

- i) Functional diagnosis:
- ii) Physiotherapy management.