



63923

Third BPTH (Revised), Winter 2015
Physical Diagnosis and Manipulative Skills

Total Duration: Section A + B = 3 Hours

Total Marks : 80

Section - A & Section - B

Instructions:

- 1) Use blue/black ball point pen only.
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- 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 "A" SAQ (50 Marks)

1. Short answer question (any five out of six) : (5x3=15)
 - a) F- wave.
 - b) Quadriceps lag.
 - c) Three ECG changes in left ventricular wall myocardial infarction.
 - d) Babinski reflex.
 - e) Modified Ashworth Scale.
 - f) Breath holding test.

2. Short answer question (any five out of six) : (5x7=35)
 - a) Trigger points.
 - b) Importance of pain tolerance and pain threshold testing in physiotherapy assessment.
 - c) Neurophysiological and mechanical effects of joint mobilisation.
 - d) Principles of Rood's approach with a note on any one technique.
 - e) Assessment of pain.
 - f) Write a note on diabetic foot.

P.T.O.

Section "B" LAQ (30 Marks)

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

(1x15=15)

- a) A 60 year old housewife came with the chief complaint of excruciating pain, stiffness and deformity around the right wrist joint and hand after fall on the outstretched hand 1 month back. Her wrist joint was immobilized in plaster cast for 1 month. She complained of pain in right forearm during the period of immobilization. Presently the hand is swollen, reddened with stiffness of fingers as well as shoulder. i) Write down differential diagnosis. ii) Write detailed assessment. iii) Write down functional diagnosis along with ICF.
- b) A 19 year old male cricketer came with chief complaint of morning stiffness, and severe pain around low back. He gives history of similar previous episodes 4 month back but of less intense variety. The symptoms are associated with generalized fatigue. This episode was treated by family physician and there was temporary symptomatic relief after the treatment. He is now referred to physiotherapy department for further management. i) Write down detailed assessment using ICF. ii) Give differential diagnosis. iii) Functional diagnosis with clinical reasoning.

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

(1x15=15)

- a) A 65 year old retired clerk discharged from the hospital after 20 days of treatment for acute exacerbation of dyspnoea associated with thick productive sputum and occasional episodes of sleep apnoea. He is also suffering from general malaise and fatigue. Patient is socially active and likes to travel. Socioeconomic status is good. His BMI is 30. i) Write down detailed assessment with ICF. ii) Give differential diagnosis. iii) Functional diagnosis with clinical reasoning.
- b) A 25 year old male football player suffered from brachial plexus injury 15 days back. He is complaining of partial weakness of muscles supplied by upper trunk of brachial plexus. i) Write down detailed assessment with ICF. ii) Functional diagnosis with clinical reasoning.

Third BPTH (Revised), Winter 2014
Physical Diagnosis and Manipulative Skills
(Syllabus of Revised is Applicable to Old/New)

Total Duration : Section A + B = 3 Hours

Total Marks : 8

Section - A & Section - B

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- 7) Use a common answer book for all section.

Section "A" SAQ (50 Marks)

1. Short answer question (any five out of six) : (5x3=15)
 - a) Ankle brachial index.
 - b) Define 10 RM and Delorm progressive resistance exercise regimen.
 - c) Types of end feel.
 - d) Enumerate superficial reflexes.
 - e) Three ECG changes in left bundle branch block.
 - f) Define Chronaxie & Rheobase.

2. Short answer question (any five out of six) : (5x7=35)
 - a) Explain neuro-development in first year of maturation with special emphasis on the sensory development.
 - b) Write any three differences between Kaltenborn & Maitland's mobilisation. State their grades with well illustrated diagrams.
 - c) Write a note on principles of PNF with examples.
 - d) Nerve conduction velocity in neurogenic lesion and EMG finding in myogenic lesions.
 - e) Explain in details any four kinds of postural deviations.
 - f) Write a note on active & passive insufficiency with an example Explain any two special tests to test hip flexors tightness.

P.T.O.

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

A 35 year old vegetable vendor came with chief complain of intermittent pain in low back with cramps in calves since last 6 month. These symptoms increases on walking & gets completely

- a) relived on sitting. Symptoms are gradually worsening since last 3 months. He is a sole earning member in the family of two. i) Give differential diagnosis. ii) Write down detailed assessment. iii) Functional diagnosis with clinical reasoning.

A 25 year old dancer came with chief complaint of pain in neck & upper trapezius region with referred pain bilaterally in both upper limb. It is associated with heaviness & numbness in upper

- b) limbs while carrying out any reaching out or overhead activity. Complains are increasing since last 6 month. Patient frequently complained of pain & heaviness in trapezius area before 6 month. i) State differential diagnosis. ii) Write down detailed assessment. iii) Write down functional diagnosis.

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

(1x15=15)

A 25 year old male patient hospitalized with chief complaint of throbbing pain, dysaesthesia & proximal muscle weakness of extremities. Symptoms started with an episode of gastrointestinal

- a) illness & proximal muscle weakness of lower extremity progressively including upper extremity & face. i) State differential diagnosis. ii) Write down detailed assessment. iii) Write down functional diagnosis.

A 55 year old company manager complained of sudden onset of headache with disturbed vision along with weakness of right side of body. He was hospitalized for the same 4 days back. Presently

- b) he is conscious & co-operative. He was socially active & his job involved frequent travelling. He & his wife are the earning members in the family of three. i) State differential diagnosis ii) Write detailed assessment iii) Write down functional diagnosis



51313

**Third B.P.Th. (2012) Examination, Winter 2018
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILL**

Total Duration : Section A + B = 3 Hours

Total Marks : 80

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**.
 - 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) :

(5x3=15)

- a) Glasgow Coma Scale.
- b) Breath holding test.
- c) Enumerate any three tests for rotator cuff injury.
- d) Write any three positive radiographic findings of hydro-pneumothorax.
- e) Enumerate six contraindications for Maitland's mobilization.
- f) B.M.I.

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

(5x7=35)

- a) Describe any seven primitive reflex reactions.
- b) What is neuro-dynamic testing ? Describe the lower limb tissue tension tests.
- c) Describe assessment of clubbing and its importance.
- d) Write principles of Brunnstrom approach. Explain stages of Brunnstrom.
- e) Describe subjective and objective assessment of pain. Add a note on McGill's modified questionnaire.
- f) Explain differential diagnosis of intermittent claudication.

P.T.O.

SECTION - B LAQ (30 Marks)

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

- a) A 45 year old female teacher by occupation sustained colle's fracture of right elbow one month back which was conservatively managed with POP cast, now cast removed 2 days back. Describe assessment and discuss impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning.
- b) 50 year old house wife, diabetic is suffering from grade III bilateral OA of knee joint. She stays on the ground floor and has Indian toilet in her home. Describe assessment and discuss impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning.

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

- a) A 44 year old female, municipality sweeper by occupation, comes with complaint of breathlessness and cough with foul smelling expectoration since last three years. Describe assessment and discuss impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning.
- b) A 32 year old male truck driver had traumatic injury to the lumbar spine due to which he sustained fracture of L1 vertebra and was managed with Harrington rod fixation one week back. Describe assessment and discuss impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning.

Test
 6 min walk
 PFT
 FEV₁ ↓
 FVC ↓
 FEV₁/FVC ↓
 bronchial breathing/wheezing
 hyperinflation

51313

Third B.P.Th. (2012) Examination, Winter 2017
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILL

Total Duration : Section A + B = 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 question (any five out of six) :

(5x3=15)

- a) Contra indications to manual therapy
- b) Three scales to measure Pain
- c) Components of Berg's balance scale
- d) Three causes of chest pain
- e) Test to assess rotator cuff injury
- f) Assessment of body fat.

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

(5x7=35)

- a) Explain in details principles and post isometric relaxation method of Muscle energy technique.
- b) Describe the technique of measuring Nerve conduction velocity of median nerve. (N CV)
- c) Assessment of peripheral arterial disorders.
- d) McKenzie Technique.
- e) Describe the motor relearning programme in details.
- f) Assessment of respiratory system.

P.T.O.

51313

SECTION - B LAQ (30 Marks)

(1x15=15)

3. Long answer question (any one out of two) :
- a) A 25 year old unmarried architect suffered paraplegia due to spinal cord injury at L1 3 months ago. He was sole earning member. He stays with his old parents in a chawl on first floor. Presently he can turn in bed can sit with assistance, cannot stand and has no sensations in both lower extremities with loss of bladder control. He can dress up his upper body but not the lower body independently. Discuss assessment to identify structural and functional impairment. Discuss functioning and participation. (10+)
- b) A 3 year old female child born out of consanguinous marriage has difficulty in rolling and head holding. While in supine position she has crossing of both lower limbs. She has constant drooping of saliva and cannot sit independently but can maintain balance if made to sit. Mother is not educated but eager to learn and care for the child. Father is a daily wage earner. Discuss assessment for developmental milestones. Write impairments, activity and participation and contextual factors using ICF format. (5+5+)

(1x15=15)

4. Long answer question (any one out of two) :
- CA a) A 60 year old Mrs Sudha, post menopausal widower comes with complaints of bilateral knee pain on cross leg sitting and squatting VAS 5/10 since last 6 months (left more than right). On examination crepitus are felt in both knees. She has genu varum bilaterally. Her X ray show reduction in medial joint space. Her house is on the first floor and she has to take care of her 5 year old grandchild. She is advised total knee replacement for left knee. She stays with her son and receives a monthly pension. Write impairments, activities and participation and contextual factors in ICF format along with assessment indicators. (5+5+5)
- b) 34 year old Sweeper comes with the complains of acute chest pain on right side since 2 days. On evaluation he has grade III dysnoea, fever and dry cough for which right inter costal drain is inserted. he uses accessory muscles of respiration at rest. He is a chronic bidi smoker and was diagnosed as Pulmonary tuberculosis one year ago. He is able to walk 100 mtr without desaturation. He would like to resume work at the earliest. Discuss assessment of functional capacity. write impairments, activity and participation and contextual factors in ICF format. (5+5+5)

(5+5+5)

Third B.P.Th. (2012) Examination, Winter 2016
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILL

51313

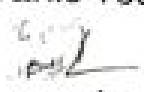
Total Duration : 3 Hours

Total Marks : 80

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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) : (5x3=15)
 - a) Enumerate any three tests for Peripheral Arterial and Venous circulation. _____
 - b) Define Metabolic equivalent and write its significance. _____
 - c) Explain Faradic Galvanic Test. _____
 - d) Bryant's triangle.  _____
 - e) Define End feel. Enumerate different types of pathological end feels. _____
 - f) Write any three positive radiographic findings of Pulmonary tuberculosis. _____

2. Short answer question (any five out of six) : (5x7=35)
 - a) Explain the neurodevelopment of hand function. (N.V) _____
 - b) Write principles and technique of Nerve conduction studies. _____
 - c) Write on midbrain reflexes. 3f ✓ _____
 - d) Describe types of Muscle Energy Techniques. Add a note on contraindication and side effects of muscle energy technique. _____
 - e) Write principles and explain stages of Brunnstrom approach. _____
 - f) Describe in detail about any three tests for knee joint instability. _____

SECTION - B LAQ (30 Marks)

(1x15=)

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

- a) A 39 year old male, truck driver by occupation sustained trauma and underwent below knee amputation of right side. He is married and having four children. Describe assessment and discuss impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning. (15)
- b) A 40 year old male carpenter, only earner in his family, sustained # of right humerus which was treated conservatively two months back. He complains of inability to extend his right wrist joint since removal of cast. Describe assessment and discuss impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning. (15)

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

- a) A 52 year old male comes with complaint of breathlessness and cough with expectoration since last three years. He is smoker since 20 years and stays on first floor. Discuss in detail about assessment, differential diagnosis and Functional diagnosis as per ICF. (5+5)
- b) A 32 year old software engineer comes with complaint of localised pain in lower lumbar spine and difficulty in bending forward in early morning since last 1 month. Write in detail about assessment, differential diagnosis and functional diagnosis as per ICF. (5+5)

COPD

- OA (1) Frozen
- BA (2) Art. ...
- Stroke (3) hemiplegia
- COPD (4) COPD
- Frozen (5) OA
- Colles (6) Colles
- hemiplegia (7) Colles
- (8) ICMF

ICF

ICF

Third B.P. To. 2012, Winter 2015

Functional Diagnosis and Physiotherapeutics Skill

Total Duration: Section A + B = 3 Hours

Total Marks: 80

Section - A & Section - B

SANGHETA PATEL (7/12/15)

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): (5x3=15)
 - a) Define end feel with suitable examples.
 - b) Enumerate McKenzie syndromes. Explain any one.
 - c) Describe grades of Maitland mobilization.
 - d) Explain characteristics of normal Strength Duration Curve.
 - e) Describe any two Righting reactions.
 - f) Ankle Brachial index.

2. Short answer question (any five out of six): (5x7=35)
 - a) Slump test.
 - b) Define pain and explain five pain scales.
 - c) Six minute walk test.
 - d) Assessment of balance.
 - e) Describe normal Arterial Blood Gas study and discuss three variations.
 - f) Describe characteristics of normal motor unit action potential and change in neurogenic lesion.

9
8
3
4.5
3
2.5
1.5
1.5
2
2
1.5



Section "B" LAQ (30 Marks)

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

(1x15=15)

a) A 52 yrs. old teacher presents with right shoulder pain and restriction of range of motion since three months. She has difficulty in combing and in reaching behind her back. She is diabetic since past five years. Discuss (PA)

i) Evaluation

ii) Functional diagnosis

iii) Clinical reasoning

5

5

5

b) A 50 yrs. old, female bank worker complains of low back pain since 2 years. Pain increases by evening and on doing household activity and occasionally radiates to bilateral buttock, which is relieved in lying down. Discuss

i) Evaluation

ii) Functional diagnosis

iii) Clinical reasoning.

5

5

5

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

(1x15=15)

a) 59 yrs. old driver suffering from dry cough and breathlessness since few days. He has experienced similar episode since last two years especially during change of season. His wife and five children live in village and he is the only earning member. Discuss (BA)

a) Evaluation

b) Functional diagnosis

c) Clinical reasoning.

5

5

5

b) A 4 yrs. old female child is yet to sit her on her own. On assesment there is hypotonia of the trunk and reduced proprioception. Discuss

a) Evaluation

b) Functional diagnosis

c) Clinical reasoning.

5

5

5

Third BPTH (2012) Examination, Winter (Phase - III ALL Other Remaining UG/PG Course) - 2019

FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILLS

al Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

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SECTION - "A" SAQ(50 Marks)

Short answer question (any five out of six) :

[5 × 3 = 15]

- a) Three reflexes present at birth
 - b) Convex Concave rule
 - c) End feels
 - d) EMG at minimal activity in neurogenic lesion
 - e) Three Test for coordination
- causes of inability to carry out overhead activity

Short answer question (any five out of six) :

[5 × 7 = 35]

- Neurodynamic testing
- Principles of exercise prescription in healthy individuals
- Assessment and Factors affecting balance
- Principles of Neurodevelopment therapy
- Assesment of knee stability
- Gait deviations due to neurological dysfunction

SECTION - "B" LAQ (30 Marks)

Long answer question (any one out of two) :

[1 × 15 = 15]

- 50 yrs old clerk had a fall during dahi handi and had fracture at T12 one month back. He is Treated conservatively. He complains of pain in the back. VAS 2/10 at rest and 5/10 on activity such as rolling and transfer. He has no bladder sensation and complains of tingling sensation in both lower extremities. He is able to sit with the help of taylor's brace on wheel chair. His family is very caring, however he is worried as he is alone at home and stays in village. Discuss assesment and give impairments along with activity and participation and contextual factors in ICF format.
- A 45 yrs old hypertensive Mr Soman suffered right hemiplegia one month back. He was referred for physiotherapy from peripheral rural hospital. He could walk with assistance with an altered gait. However he is unable to lift his hand and use it for eating drinking or grooming. his wife is very supportive but complains he has stopped his medication. Discuss assesment and write impairments, activity and contextual factors in ICF format.

Long answer question (any one out of two) :

[1 × 15 = 15]

- A 45 yrs old Mrs Vaishali suffered anterior wall myocardial infarction one month back. She is obese and has been recently diagnosed as Diabetes. She has been advised CABG. She is apprehensive and feels rest is sufficient. She walks for around 10 minutes in a day and does not climb stairs. Discuss assesment and write impairments, activity and contextual factors in ICF format.
- 22 yrs sweeper has suffered with Right supracondylar fracture of humerus 6 weeks ago. He also sustained fracture of ulnar styloid. He cannot hold objects with his right hand. Discuss assesment and write impairments, activity and contextual factors in ICF format.

Third B.P.Th. (Revised) Examination, Winter 2017
PHYSICAL DIAGNOSIS AND MANIPULATIVE SKILLS

Total Marks : 80

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SECTION – A (50 Marks)
(SAQ)

1. Short answer question (any five out of six) : (5×3=15)
 - a) Three causes of chest pain.
 - b) Grades of dyspnoea.
 - c) Test to confirm patello femoral arthritis.
 - d) Three abnormal postures of spine.
 - e) Symmetrical and asymmetrical tonic neck reflex.
 - f) Three types of speech impairments.

2. Short answer question (any five out of six) : (5×7=35)
 - a) Grades of Maitland manipulation.
 - b) Tests of coordination.
 - c) Test to assess thoracic outlet syndrome.
 - d) Normal and Abnormal EMG at minimal and maximal activity.
 - e) Enumerate submaximal exercise test. Describe any one in detail.
 - f) Discuss principles and techniques of PNF for upper extremity.



SECTION – B (30 Marks)
(LAQ)

3. Long answer question (any one out of two) : (1×15=15)
- a) A 65 year old lady got operated for Total Hip replacement following fracture neck femur one week ago. She complains of pain on suture site at rest and on movement. She is able to sit with assistance but finds difficult to walk. She is a house wife and stays on second floor with no lift facility. Her son and daughter in law are working. Write the functional diagnosis using ICF with clinical reasoning.
- b) A 32 year old Mr. Shinde is diagnosed as Guillian barre syndrome since a month. He has proximal and distal weakness with bilateral muscle strength of shoulder around 3 and wrist and hand of 1. Lower extremity power around hip is 3 and knee 2 and ankle and foot 2. He also finds difficulty in breathing. He can roll and turn in bed. He cannot sit without assistance. Presently able to walk with great difficulty and unable to use his hand for ADL. He would like to go back to work as lab technician. Discuss assessment and write impairments, activity and participation in ICF format.
4. Long answer question (any one out of two) : (1×15=15)
- a) A 65 year old post menopausal housewife come to PT department with complain of gradual increase in pain in both the knees since 5 year. She is 5 feet tall and weighs 70 kg. She has waddling gait. She stays on 4th floor without lift. Her house is walking distance of 10 minutes from a tertiary care hospital. She does all her ADL and instrumental ADL activities. She has tried all types of medications. Discuss assessment and functional diagnosis using ICF.
- b) A 35 year old chief executive suffered a inferior wall myocardial infarct three days back. Presently patient is hospitalized. His heart rate is around 60-65 bpm with blood pressure of 98/60. At rest he has no pain. His ejection fraction on 2D echo is 45%. His ECG shows ST segment elevation. He is known hypertensive and smoker too. He has one year old child. His wife is very supporting and is anxious about future. Discuss assessment and functional diagnosis using ICF framework.
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Third B.P.Th. (Revised) Examination, Winter 2016
PHYSICAL DIAGNOSIS AND MANIPULATIVE SKILLS

Total Marks : 80

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SECTION – "A" SAQ

(50 Marks)

1. Short answer question (any five out of six) : (5x3=15)
 - a) Describe one test for instability at ankle.
 - b) Describe Eighth Cranial nerve assessment.
 - c) Define joint play along with an example.
 - d) Enumerate the enzyme level changes following Myocardial Infarction.
 - e) Describe any one test to assess coordination.
 - f) What is Ankle Brachial Index ? State its importance.
2. Short answer question (any five out of six) : (5x7=35)
 - a) With diagram, describe the grades of mobilisation as per Maitland technique and explain its contraindications.
 - b) Describe Motor Unit Action Potential.



- c) What is dyspnoea ? Enumerate its causes and its grades.
- d) Describe open pack and close pack position of a joint. Describe capsular pattern of shoulder and wrist joints.
- e) What are different electrodiagnostic tests ? Describe any one in detail.
- f) Short note on Cyriax soft tissue mobilisation.

SECTION - "B" LAQ

(30 Marks)

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

(1x15=15)

- a) A 70 year old widow, underwent partial hip replacement following fracture neck femur 2 days back. She is known hypertensive and stays with her son's family in a flat on first floor in a chawl. Discuss the impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning.
- b) A 34 yr. old labourer comes with complaints of purulent expectoration since 8 days. He is known case of bronchiectasis since last 4 yrs and recurrent hospitalisation. He gives history of Koch's disease 6 yrs back. He is the sole earner with a family of 4 people. Discuss the impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning.

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

(1x15=15)

- a) A 67 yr old housewife, diagnosed as left sided Anterior cerebral artery infarct a month back has been referred for physiotherapy. She stays with her husband who is retired, on 2nd floor in a tower building and is known case of hypertension. Discuss the impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning.
- b) A 57 year old housewife, Seema comes with chief complaints of pain and restricted ranges, in right shoulder since a month. She is known diabetic patient since 10 yrs residing with her son's family in a chawl. Presently her ADL and household duty is getting affected due to shoulder pain. Discuss the impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning.



Third BPTH (Revised), Winter 2015
Physical Diagnosis and Manipulative Skills

Total Marks : 80

Total Duration: Section A + B = 3 Hours

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 answer book for all sections.

Section "A" SAQ (50 Marks)

1. Short answer question (any five out of six) : (5x3=15)

- a) R-wave.
- b) Latissimus dorsi lag.
- c) Three ECG changes in left ventricular wall myocardial infarction.
- d) Babinski reflex. 125
- e) Modified Ashworth Scale.
- f) Breath holding test.

2. Short answer question (any five out of six) (5x7=35)

- a) Trigger points.
- b) Importance of pain tolerance and pain threshold testing in physiotherapy assessment.
- c) Neurophysiological and mechanical effects of joint mobilisation.
- d) Principles of Rood's approach with a note on any one technique.
- e) Assessment of pain.
- f) Write a note on diabetic foot.

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Section "B" LAQ (30 Marks)

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

(1x15=15)

- a) A 60 year old housewife came with the chief complaint of excruciating pain, stiffness and deformity around the right wrist joint and hand after fall on the outstretched hand 1 month back. Her wrist joint was immobilized in plaster cast for 1 month. She complained of pain in right forearm during the period of immobilization. Presently the hand is swollen, reddened with stiffness of fingers as well as shoulder. i) Write down differential diagnosis. ii) Write detailed assessment. iii) Write down functional diagnosis along with ICF.
- b) A 19 year old male cricketer came with chief complaint of morning stiffness, and severe pain around low back. He gives history of similar previous episodes 4 month back but of less intense variety. The symptoms are associated with generalized fatigue. This episode was treated by family physician and there was temporary symptomatic relief after the treatment. He is now referred to physiotherapy department for further management. i) Write down detailed assessment using ICF. ii) Give differential diagnosis. iii) Functional diagnosis with clinical reasoning.

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

(1x15=15)

- a) A 65 year old retired clerk discharged from the hospital after 20 days of treatment for acute exacerbation of dyspnoea associated with thick productive sputum and occasional episodes of sleep apnoea. He is also suffering from general malaise and fatigue. Patient is socially active and likes to travel. Socioeconomic status is good. His BMI is 30. i) Write down detailed assessment with ICF. ii) Give differential diagnosis. iii) Functional diagnosis with clinical reasoning.
- b) A 25 year old male football player suffered from brachial plexus injury 15 days back. He is complaining of partial weakness of muscles supplied by upper trunk of brachial plexus. i) Write down detailed assessment with ICF. ii) Functional diagnosis with clinical reasoning.

Third BPTH (2012) Examination, Winter (Phase - III ALL Other Remaining UG/PG Course) - 2019

FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILLS

al Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

- Instructions :**
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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.*
 - 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)

Short answer question (any five out of six) :

[5 × 3 = 15]

- a) Three reflexes present at birth
 - b) Convex Concave rule
 - c) End feels
 - d) EMG at minimal activity in neurogenic lesion
 - e) Three Test for coordination
- causes of inability to carry out overhead activity

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

- a) A 45 year old female teacher by occupation sustained colle's fracture of right arm one month back which was conservatively managed with POP cast, now cast removed 2 days back. Describe assessment and discuss impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning.
- b) 50 year old house wife, diabetic is suffering from grade III bilateral OA of knee joint. She stays on the ground floor and has Indian toilet in her home. Describe assessment and discuss impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning.

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

- a) A 44 year old female, municipality sweeper by occupation, comes with complaint of breathlessness and cough with foul smelling expectoration since last three years. Describe assessment and discuss impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning.
- b) A 32 year old male truck driver had traumatic injury to the lumbar spine due to which he sustained fracture of L1 vertebra and was managed with Harrington rod fixation one week back. Describe assessment and discuss impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning.

Test

S. N. G. (Gross)

PEP

FEV₁ ↓

Forced FEV₁

FVC ↓

Arterial Oxygenation

Capillary



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**Third B.P.Th. (2012) Examination, Winter 2018
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILL**

Total Duration : Section A + B = 3 Hours

Total Marks : 80

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.**
 - 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) : (5x3=15)
- a) Glasgow Coma Scale.
 - b) Breath holding test.
 - c) Enumerate any three tests for rotator cuff injury.
 - d) Write any three positive radiographic findings of hydro-pneumothorax.
 - e) Enumerate six contraindications for Maitland's mobilization.
 - f) B.M.I.

2. Short answer question (any five out of six) : (5x7=35)
- a) Describe any seven primitive reflex reactions.
 - b) What is neuro-dynamic testing? Describe the lower limb tissue tension tests.
 - c) Describe assessment of clubbing and its importance.
 - d) Write principles of Brunnstrom approach. Explain stages of Brunnstrom.
 - e) Describe subjective and objective assessment of pain. Add a note on McGill's modified questionnaire.
 - f) Explain differential diagnosis of intermittent claudication.

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SECTION - B LAQ (30 Marks)

(1x15=15)

3. Long answer question (any one out of two) :
- a) A 25 year old unmarried architect suffered paraplegia due to spinal cord injury at L1 3 months ago. He was sole earning member. He stays with his old parents in a chawl on first floor. Presently he can turn in bed can sit with assistance, cannot stand and has no sensations in both lower extremities with loss of bladder control. He can dress up his upper body but not the lower body independently. Discuss assessment to identify structural and functional impairment. Discuss functioning and participation. (10+)
 - b) A 3 year old female child born out of consanguinous marriage has difficulty in rolling and head holding. While in supine position she has crossing of both lower limbs. She has constant drooping of saliva and cannot sit independently but can maintain balance if made to sit. Mother is not educated but eager to learn and care for the child. Father is a daily wage earner. Discuss assessment for developmental milestones. Write impairments, activity and participation and contextual factors using ICF format. (5+5)

(1x15=15)

4. Long answer question (any one out of two) :
- a) OA A 60 year old Mrs Sudha, post menopausal widower comes with complaints of bilateral knee pain on cross leg sitting and squatting VAS 5/10 since last 6 months(left more than right). On examination crepitus are felt in both knees. She has genu varum bilaterally. Her X ray show reduction in medial joint space. Her house is on the first floor and she has to take care of her 5 year old grandchild. She is advised total knee replacement for left knee. She stays with her son and receives a monthly pension. Write impairments, activities and participation and contextual factors in ICF format along with assessment indicators. (5+5+5)
 - b) 34 year old Sweeper comes with the complains of acute chest pain on right side since 2 days. On evaluation he has grade III dysnoea, fever and dry cough for which right inter costal drain is inserted. he uses accessory muscles of respiration at rest. He is a chronic bidi smoker and was diagnosed as Pulmonary tuberculosis one year ago. He is able to walk 100 mtr without desaturation. He would like to resume work at the earliest. Discuss assessment of functional capacity. write impairments, activity and participation and contextual factors in ICF format. (5+5+5)

(5+5+5)



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Third B.P.Th. (2012) Examination, Winter 2017
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILL

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION – A and SECTION – B

- Instructions :**
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 - 4) The number to the **right** indicates **full marks.**
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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) Contra indications to manual therapy
- b) Three scales to measure Pain
- c) Components of Berg's balance scale
- d) Three causes of chest pain
- e) Test to assess rotator cuff injury
- f) Assessment of body fat.

2. Short answer question (any five out of six) : (5x7=35)

- a) Explain in details principles and post isometric relaxation method of Muscle energy technique.
- b) Describe the technique of measuring Nerve conduction velocity of median nerve. (WCV)
- c) Assessment of peripheral arterial disorders.
- d) McKenzie Technique.
- e) Describe the motor relearning programme in details.
- f) Assessment of respiratory system.

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

- a) A 39 year old male, truck driver by occupation sustained trauma and underwent below knee amputation of right side. He is married and having four children. Describe assessment and discuss impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning. (1x15=15)
- b) A 40 year old male carpenter, only earner in his family, sustained # of right humerus which was treated conservatively two months back. He complains of inability to extend his right wrist joint since removal of cast. Describe assessment and discuss impairments, activity limitations, participation restrictions and contextual factors with proper clinical reasoning. (2x15=30)

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

- a) A 52 year old male comes with complaint of breathlessness and cough with expectoration since last three years. He is smoker since 20 years and stays on first floor. Discuss in detail about assessment, differential diagnosis and Functional diagnosis as per ICF. (5+5=10)
- b) A 32 year old software engineer comes with complaint of localised pain in lower lumbar spine and difficulty in bending forward in early morning since last 1 month. Write in detail about assessment, differential diagnosis and functional diagnosis as per ICF. (5+5=10)

COPD

OA

① Frozen

BA

② Ank ~~fracture~~

Stroke

③ hemiplegia

COPD

④ COPD

Frozen

colles

⑤ OA

hemiplegia

⑥ colles

⑦ ICMF

ICF

Analysing patient's
hemiplegia
ICMF

Third B.P.Th. (2012) Examination, Winter 2016
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILL

51313

Total Duration : 3 Hours

Total Marks - 80

- 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 answerbook for **all Section**.

SECTION - A SAQ (50 Marks)

1. Short answer question (any five out of six) : (5x3=15)
 - a) Enumerate any three tests for Peripheral Arterial and Venous circulation. _____
 - b) Define Metabolic equivalent and write its significance. _____
 - c) Explain Faradic Galvanic Test. _____
 - d) Bryant's triangle. _____
 - e) Define End feel. Enumerate different types of pathological end feels. ○ _____
 - f) Write any three positive radiographic findings of Pulmonary tuberculosis. _____
2. Short answer question (any five out of six) : (5x7=35)
 - a) Explain the neurodevelopment of hand function. (N.V) _____
 - b) Write principles and technique of Nerve conduction studies. _____
 - c) Write on midbrain reflexes. SF _____
 - d) Describe types of Muscle Energy Techniques. Add a note on contraindication and side effects of muscle energy technique. _____
 - e) Write principles and explain stages of Brunnstrom approach. _____
 - f) Describe in detail about any three tests for knee joint instability. _____



Section "B" LAQ (30 Marks)

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

a) A 52 yrs. old teacher presents with right shoulder pain and restriction of range of motion since three months. She has difficulty in combing and in reaching behind her back. She is diabetic since past five years. Discuss (PA)

- Evaluation
- Functional diagnosis
- Clinical reasoning

b) A 50 yrs. old, female bank worker complains of low back pain since 2 years. Pain increases by evening and on doing household activity and occasionally radiates to bilateral buttock, which is relieved in lying down. Discuss

- Evaluation
- Functional diagnosis
- Clinical reasoning

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

a) 59 yrs. old driver suffering from dry cough and breathlessness since few days. He has experienced similar episode since last two years especially during change of season. His wife and five children live in village and he is the only earning member. Discuss (BA)

- Evaluation
- Functional diagnosis
- Clinical reasoning

b) A 4 yrs. old female child is yet to sit her on her own. On assesment there is hypotonia of the trunk and reduced proprioception. Discuss

- Evaluation
- Functional diagnosis
- Clinical reasoning

Third B.P.Ts. 2012, Winter 2015

Functional Diagnosis and Physiotherapeutics Skill

Total Duration: Section A + B = 3 Hours

Total Marks: 80

Section - A & Section - B

SANGEETA PATEL (7/12/15)

Instructions:

- 1) Use **blue/black** ball point pen only.
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- 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 "A" SAQ (50 Marks)

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

(5x3=15)

- a) Define end feel with suitable examples.
- b) Enlist McKenzie syndromes. Explain any one.
- c) Describe grades of Maitland mobilization.
- d) Explain characteristics of normal Strength Duration Curve.
- e) Describe any two Righting reactions.
- f) Ankle Brachial index.

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

(5x7=35)

- a) Slump test.
- b) Define pain and explain five pain scales.
- c) Six minute walk test.
- d) Assessment of balance.
- e) Describe normal Arterial Blood Gas study and discuss three variations.
- f) Describe characteristics of normal motor unit action potential and change in neurogenic lesion.

9
 80
 2
 4.5
 3
 1.1
 1.5
 2
 2

Short answer question (any five out of six) :

[5 × 7 = 35]

- Neurodynamic testing
- Principles of exercise prescription in healthy individuals
- Assessment and Factors affecting balance
- Principles of Neurodevelopment therapy
- Assessment of knee stability
- Gait deviations due to neurological dysfunction

SECTION - "B" LAQ (30 Marks)

Long answer question (any one out of two) :

[1 × 15 = 15]

- 50 yrs old clerk had a fall during dahi handi and had fracture at T12 one month back. He is Treated conservatively. He complains of pain in the back. VAS 2/10 at rest and 5/10 on activity such as rolling and transfer. He has no bladder sensation and complains of tingling sensation in both lower extremities. He is able to sit with the help of taylor's brace on wheel chair. His family is very caring, however he is worried as he is alone at home and stays in village. Discuss assesment and give impairments along with activity and participation and contextual factors in ICF format.
- A 45 yrs old hypertensive Mr Soman suffered right hemiplegia one month back. He was referred for physiotherapy from peripheral rural hospital. He could walk with assistance with an altered gait. However he is unable to lift his hand and use it for eating drinking or grooming, his wife is very supportive but complains he has stopped his medication. Discuss assesment and write impairments, activity and contextual factors in ICF format.

Long answer question (any one out of two) :

[1 × 15 = 15]

- A 45 yrs old Mrs Vaishali suffered anterior wall myocardial infarction one month back. She is obese and has been recently diagnosed as Diabetes. She has been advised CABG. She is apprehensive and feels rest is sufficient. She walks for around 10 minutes in a day and does not climb stairs. Discuss assesment and write impairments, activity and contextual factors in ICF format.
- 27 yrs sweeper has suffered with Right supracondylar fracture of humerus 6 weeks ago. He also sustained fracture of ulnar styloid. He cannot hold objects with his right hand. Discuss assesment and write impairments, activity and contextual factors in ICF format.