



Third B.P.TH. (2012) Examination, Winter-2020
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILL

Total Duration : Section A+B = 3 Hours

Total Marks : 80

SECTION - A & SECTION-B

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for **all** sections.

SECTION - A (SAQ) (50 Marks)

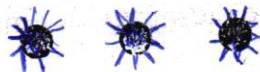
1. Short answer question (**any five** out of six) : **[5 × 3 = 15]**
 - a) Enumerate any three tests for peripheral Arterial & Venous circulation.
 - b) Define metabolic equivalent and write its significance.
 - c) Explain Faradic Galvanic Test.
 - d) Bryant's triangle.
 - e) Define End feel. Enumerate different types of normal and pathological end feels.
 - f) Write any three positive radiographic findings of pulmonary tuberculosis.

2. Short answer question (**any five** out of six): **[5 × 7 = 35]**
 - a) Explain the neurodevelopment of hand function.
 - b) Write principles and technique of Nerve conduction studies. Add a note on F wave.

- c) Write an note midbrain reflex.
- d) Describe types of muscle Energy Technique. Add a note on contraindication and side effects of muscle energy technique.
- e) Write principles of Brunnstrom approach. Explain stages of Brunnstrom.
- 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) : [1 × 15 = 15]
- 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. Write in detail about assessment and functional diagnosis by using ICF. [8+7]
 - b) A 40 year old male carpenter, only earner in his family, had an injury below right elbow joint, complaints of unable to extend his right wrist joint. Write in detail about assessment & functional diagnosis by using ICF. [8+7]
4. Long answer question (any one out of two) : [1 × 15 = 15]
- 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 & functional diagnosis by using ICF. [5 + 5 + 5]
 - b) A 32 year old software engineer comes with complaint of localised pain in lower lumbar spine & difficulty in lumbar range of motion in early morning since last 1 month. Write in detail about, assessment, differential diagnosis and functional diagnosis, by using ICF. [5 + 5 + 5]



Third B.P.T.H. (2012) Examination, (Phase - III) Winter 2021
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILLS



Total Duration : 3 Hours

Total Marks : 80

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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) Visual Analog Scale
 - b) Define STNR
 - c) SLR Test
 - d) Define Spasticity and rigidity
 - e) Define SDC
 - f) H reflex

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[5 × 7 = 35]

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

- a) A.S.I.A.
- b) Roods Technique
- c) Modified Bruce Protocol
- d) Define P.F.T. discuss the abnormal PFT
- e) Tests for collateral & cruciate ligaments
- f) Discuss Gait deviations due to neurological dysfunction

SECTION "B" LAQ (30 Marks)

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

- a) 36 yrs old female executive c/o pain and swelling and stiffness in left knee since 3mths. she is diagnosed with OA knee. write down its ICF with clinical reasoning
- b) 43 yrs old male labourer had fall on hip following which he c/o pain and stiffness of same hip joint since 2mths. he is diagnosed with AVN of the hip joint. Write ICF along with clinical reasoning.

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

- a) 45 yrs old teacher c/o Rt Hemiplegia since a month .write down ICF along with clinical reasoning.
- b) 25 yrs old male student is a known case of Bronchial Asthma since childhood. Write ICF along with clinical reasoning



[Total No. of Pages : 2



Third B.P.TH. (2012) Examination, Winter - 2023 (Phase - II)
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILLS

Total Duration : 3 Hours

Total Marks : 80

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 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
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Section "A" SAQ (50 Marks)

1. Short answer questions (**any five** out of six) : **[5 × 3 = 15]**
- a) Define the end feel. Write down three normal end feels along with appropriate examples.
 - b) Describe the modified Schober's test and its clinical significance.
 - c) Write a note on RPE.
 - d) Describe the Test for Sensory & Pain Threshold/Pain Tolerance
 - e) Write down the grades of muscle spasm and its clinical significance.
 - f) Describe the Trendelenburg's sign.

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

[5 × 7 = 35]

- a) Describe the three syndromes of Mc-Kenzie.
- b) Describe the 6 minutes walk test. Write the clinical relevance of 6 mins walk test.
- c) Describe Rood's technique and explain the clinical relevance.
- d) Describe the Techniques of Motor Relearning Program (M.R.P.)
- e) Write down the methods to measure Limb Length, discuss its indications.
- f) Define EMG. Describe the instrumentation and types of electrodes used for the same.

Section "B" LAQ (30 Marks)

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

[1 × 15 = 15]

- a) 34 yrs old housewife complains of pain in the low back radiating to both knees posteriorly for 8months. She has occasional tingling and numbness in both lower limbs. She gives a history of lifting heavy weights for a year. Her X-rays are Normal. Write down differential diagnosis and ICF.
- b) 59 yrs male executive suffered right side facial asymmetry along with weakness of the left side of the body for a month. Write down structural impairments and ICF.

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

[1 × 15 = 15]

- a) 36 yrs woman complains of breathing difficulty following walking for short time since, 3mths. Her PFT shows restrictive changes. She is diagnosed with COPD. Write down her structural impairments and ICF
- b) 26yrs old mother delivered her first child a week back by FTND, with episiotomy. She is complaining of breast engrossment and low back pain since her delivery. Write her structural impairments and ICF.

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Third B.P.TH. (2012) Examination, Winter - 2024 Phase - III
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILLS



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Total Marks : 80

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SECTION - A (50 Marks)

1. Short Answer Questions (Solve any 5 out of 6) : [5 × 3 = 15]

- a) Define clubbing, write the grades of clubbing
- b) Enlist the determinants of Gait Cycle.
- c) Define Rheobase and Chronaxie and state its significance.
- d) Enumerate the phases of autogenic drainage
- e) Write the Brunnstrom grading of Voluntary Control.
- f) Enumerate any 3 special tests for Peripheral Vascular diseases.

2. Short Answer Questions (Solve any 5 out of 6) : [5 × 7 = 35]

- a) Define Physical fitness . Write a note on performance related and health related components of Physical fitness.
- b) Write the principles of Rood's approach and describe any two facilitatory and inhibitory techniques.
- c) Explain the principles of PNF technique and advantages in Physiotherapy.
- d) Write any three differences between Kaltenborn and Maitland's mobilization .State the grades with well illustrated diagrams

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- e) Define deconditioning and explain the effects of deconditioning on different systems of the body with suitable examples.
- f) Write the differences between Upper Motor Neuron Lesions and Lower Motor neuron lesions with appropriate examples.

SECTION - B (30 Marks)

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

a) A 41 yrs old male, clerk by occupation with right side dominance, comes to physiotherapy OPD with a diagnosis of CVA with right hemiparesis since 15 days. He has the history of mild hypertension and he smokes 1 pack per per day since 20 years. He is well oriented to time place and person. His right upper and lower extremity sensations are impaired. Tone is increased in right shoulder adductor, interal rotators and elbow flexors, hip and knee extensors and planter flexors. Right side co-ordination is affected Dynamic sitting and standing balance is poor. Functionally he can roll into bed can come to sit ,needs mild assistance to stand & more assistance to walk. He is sole earner and has a wife & 2 children. Write the ICF.

b) A 55 years old male, farmer by occupation comes with a chief complains of pain, swelling, weakness and difficulty in moving right lower limb. He walks with right side limp and pelvis drop during stance phase of same side. He gives has a medical history of corticosteroid treatment for more than 5 years. Radiographs show an opacity on right hip joint region. He stays in kaccha house, no toilet facility and farm 3 km away from home . Write functional diagnosis and ICF for the same.

4. Long Answer Question : (Solve any 1 Out of 2) : [1 × 15 = 15]

a) A 36 years old male, chronic smoker comes to physiotherapy department with the chief complains of productive cough and breathlessness at rest since last 2 days. On examination wheeze is heard. He also gives history of seasonal variation since last two years. He is carpenter by occupation has to support a family of five members. Write differential diagnosis, assessment and ICF.

b) A 45 yrs old female who is housemaid is diagnosed with osteoarthritis of bilateral knee joints. Patient complains of pain in both knee joints and difficulty in squatting and getting up. She stays on second floor. Her BMI is 30. Write assessment and ICF for the same.

