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Third B.P.TH. (2012) Examination, Summer
(Phase - III : All Other Remaining UG/PG Courses) - 2020
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILLS

Total Duration : 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 answer book for all sections.

SECTION - A SAQ (50 Marks)

1. Short answer question (any five out of six) : [5 × 3 = 15]
- a) Postural syndrome
 - b) 3 scales to measure pain
 - c) Faradic Galvanic Test
 - d) Tests to assess rotator cuff injury
 - e) Write down superficial reflexes
 - f) Contraindications of manual therapy

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2. Short answer question (any five out of six):
- Explain in details post isometric relaxation method of muscle energy technique.
 - Describe McKenzie technique.
 - Midbrain reflexes.
 - Assessment of breathlessness and scales used to rate of perceived exertion.
 - Describe the pathophysiology and assessment of the same. *knee stability*
 - Write down characteristics of Normal SDC.

SECTION - B LAQ (30 Marks)

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

- 38 year old male news reader by occupation is complaining of weakness of one side of the face and altered taste sensations since 4 days. He had traveled to a hill station just before that.
Write functional diagnosis with ICF.
- 47 yrs old wireman complains of pain in neck since 4 months, he notices tingling and numbness when he works for a long time in forward bending position. His X ray revealed degeneration of cervical vertebrae.
Write functional diagnosis with ICF.

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

- 24 yrs old student had RTA 2 months back. He is now unable to move all 4 limbs. His tone has increased to grade 2 on modified ashworth scale.
Write ICF.
- 34 year old female sweeper by occupation comes with the complains of acute chest pain since 2 days. On evaluation she has grade II dysnoea, fever and dry cough. She is using accessory muscles of inspiration and can walk only 100 meters.
Describe her ICF in details.



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Third B.P.TH. (2012) Examination, Summer - 2021
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILL

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Total Marks : 80

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

1. Short answer question (**any five** out of six) : **[5 × 3 = 15]**
- a) Define open pack position with one example.
 - b) Describe uses of the 'H reflex'.
 - c) Explain the Non-goniometric assessment of Hand.
 - d) Explain uses of Incentive spirometry.
 - e) Write the grades of Kaltenborn mobilization therapy.
 - f) Enumerate any three neonatal reflexes.

2. Short answer question (any five out of six) : [5 × 7 = 35]
- a) Describe the types of electrodes used in EMG.
 - b) Explain Six minute walk test and enumerate its contraindications.
 - c) Explain the various methods of assessment of Obesity.
 - d) Explain the various clinical tests used for evaluation in the knee instability.
 - e) Explain the Pain Gate Theory & methods of objective assessment of pain.
 - f) Define Rheobase and Chronaxie and discuss factors influencing them.

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

3. Long answer question (any one out of two) : [1 × 15 = 15]
- a) A 42 year old female comes to you with right (dominant) shoulder pain since 1 week. Pain was insidious in onset with VAS of 7/10 on movement. Presently her shoulder ranges are limited to more than 50% and strength is 4 on MMT. She is a diabetic with fasting BSL of more than 150 and is a teacher by profession and is from an affluent family. Write her functional diagnosis with clinical reasoning for the same as per ICF.
 - b) A 25 year old male salesman with a history of trauma to the right knee 3 months back comes to you for Physiotherapy. He was operated with intra-medullary nail and his ROM for right knee is from 20 to -90 degrees & strength of extensors for right knee is 3 & flexors are 4. He has no other problems. He has to travel 75 kms daily for his job on a bike and stays on 2nd floor in a chawl with no lift facility and common toilets. Give the functional evaluation with clinical reasoning according to ICF.
4. Long answer question (any one out of two) : [1 × 15 = 15]
- a) A 32 year old male had suffered from left thalamo-capsular haemorrhagic stroke 3 months back and has been regular on physiotherapy exercises. He was working in a multinational company as a sales executive and had

Third B.P.TH. (2012) Examination, Phase - II Summer - 2022
FUNCTIONAL DIAGNOSIS AND PHYSIOTHERAPEUTICS SKILLS

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SECTION "A" SAQ (50 Marks)

1. Short answer question (any five out of six) : [5 × 3 = 15]
 - a) Write the definition of pain. ✓
 - b) Explain the dysfunctional syndrome. ✓
 - c) Define Muscle Spasm. Enumerate the grades of spasm. ✓
 - d) Enumerate primary and secondary muscles of inspiration. ✓
 - e) Explain End feel and enumerate the normal end feel. ✓
 - f) Explain the clinical significance of faradic galvanic test. ✓

2. Short answer question (any five out of six) : [5 × 7 = 35]
 - a) Explain the Techniques of Motor Relearning Program (M.R.P.). ✓
 - b) Write the definition of Trick movements and describe the classification of trick movements. ✓
 - c) Write the procedure of the 6-minute walk test and its clinical relevance. ✓
 - d) Describe the physiological effects of peripheral joint mobilization. ✓
 - e) Describe the method of fitness testing and discuss the importance of the same. ✓
 - f) Describe the Slump test with the variations for the test procedure. ✓

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been diagnosed with Hypertension. Presently he has grade 5 VC in lower limbs and grade 3 VC in upper limbs with hand grade 4 (Brunnstrom). Write his functional diagnosis with clinical reasoning as per ICF.

- b) A 55 year old male is referred to you with complaints of breathlessness (Dyspnoea grade 3), cough and mucoid sputum since 2 years. He has been working as a construction site labourer and is a beedi smoker since past 27 years. His PFT shows a reduced FEV1/FVC ratio with a poor reversibility to bronchodilators. He has two minor children and stays in a hutment near the construction site. Write his functional diagnosis with clinical reasoning as per ICF.



SECTION "B" LAQ (30 Marks)

3. Long answer question (any one out of two) : [1 × 15 = 15]
- a) 69 yrs old housewife had sustained fall on outstretched hand diagnosed with Colle's fracture 2months back. Treated conservatively with immobilization. The plaster was removed a day back. At present, she complains of swelling, and pain and stiffness of the wrist and hand. Write down impairments and ICF.
- b) 39 yrs old mother delivered a female child a month ago, delivery was normal. The mother complains of pain in the low back region. She also feels depressed since child birth. This is her second child, write down the impairments and ICF.
4. Long answer question (any one out of two) : [1 × 15 = 15]
- a) 69 yrs old retired Policeman, Complains of generalized fatigue and weakness from the last 15 days. Write down his impairments and ICF.
- b) 54 yrs old female teacher complains of the weakness of the left side body for a month. She has difficulty in self-care activities and walking around. She is diagnosed as MCA territory affection. Write down her impairments and ICF.



Third B.P.T.H. (2012) Examination,
Summer - 2023 (Phase-III)



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Section "A" SAQ (50 Marks)

Q1) Short answer question (any five out of six) :

[5×3=15]

- a) Write a note on NPRS.
- b) Write down the nerve course for the facial nerve.
- c) Write down the definition of Q angle? What is a normal Q angle?
- d) Write a note on the dysfunctional syndrome.
- e) Write down the parameters of normal ABG.
- f) Write down note on Neltons Triangle.

Q2) Short answer question (any five out of six):

[5×7=35]

- a) Describe the Bruce's protocol.
- b) Describe the SLR along with its variations.
- c) Define trick movements. Write down types of trick movements along with appropriate examples.

- d) Define quality of life. Describe the Principles & components of the exercise prescription for healthy individuals.
- e) Describe NDT principles and the clinical significance as an evaluation method.
- f) Describe the procedure of the 6minute walk test.

Section "B" LAO (30 Marks)

Q3) Long answer question (any one out of two): **[1×15=15]**

- a) 32 yrs old mother of two gained weight after her second pregnancy. She is diagnosed with Grade II obesity. She also c/o of breathing difficulty while walking and climbing steps because of weight gain. Write down her impairments and ICF.
- b) 67 yrs old retired Policeman sustained Colle's fracture following a fall on an outstretched hand. He is treated conservatively with plaster for 6wks. Swelling, pain and inability to move Left hand and wrist after removal of plaster. Write down his impairments and ICF.

Q4) Long answer question (any one out of two): **[1×15=15]**

- a) 47 yrs old laborer sustained a fracture of T12 vertebra after a fall from height while working one month ago. He is diagnosed with quadriplegia along with loss of bladder n bowel control. Write down impairments and ICF.
- b) 5-year-old spastic diplegic visits Physiotherapy department. His mother has to carry him for treatment. Write down his structural impairments and ICF.

