Third B.P.TH. (2012) Examination, Summer - 2021
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 answer book for all sections.

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

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

   [5 x 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.

N - 8162

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

   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):

   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
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.

***