



RAN-4022

Fourth Year B. PT Examination

March / April - 2019

PHYSICAL AND FUNCTIONAL DIAGNOSIS

Time: 3 Hours]

[Total Marks: 80

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

☛ **Fourth Year B. PT**

Name of the Subject :

☛ **PHYSICAL AND FUNCTIONAL DIAGNOSIS**

Subject Code No.:

4 0 2 2

Seat No.:

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Student's Signature

Section-I

Q: 1 Discuss the principles of application of Manual Muscle Testing (MMT) in Musculoskeletal disorders.

(Or)

Q: 1 Describe in detail any one protocol for exercise testing. Add a note on the criterion for terminating the test. **10×1 = 10**

Q: 2 **Short Essay Type (3 out of 4)** **5×3 = 15**

- Glasgow Coma Scale and its interpretation
- Normal and abnormal breath sounds
- Cobb's angle and its significance
- Indications and contra indications for exercise testing

- Q: 3 Short Answer Type (5 out of 6) 3×5 = 15**
- a. Limitations of Manual Muscle testing
 - b. Significance of functional evaluation
 - c. ABG analysis
 - d. Target Heart Rate
 - e. Respiratory and metabolic acidosis and alkalosis
 - f. Stages of cough

Section - II

- Q: 1 Write down assessment of cerebellar dysfunctions.**
(Or)
- Q: 1 Describe principles of biofeedback, its therapeutic effects, indications and contraindication of it. 10×1 = 10**
- Q: 2 Short Essay Type (3 out of 4) 5×3 = 15**
- a. F wave versus H reflex
 - b. Importance of tone examination for diagnosis of neurological disorders
 - c. Describe difference in tone in pyramidal versus extra-pyramidal lesions.
 - d. Describe upper limb deep tendon jerks and their root value
- Q: 3 Short Answer Type (5 out of 6) 3×5 = 15**
- a. Enlist the reflexes at spinal level
 - b. Indication of Nerve conduction study
 - c. Describe rooting reflex
 - d. Assessment of Thoracic outlet syndrome
 - c. Principles of normal development
 - f. Grades of Voluntary control
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