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The Assam Royal Global University, Guwahati
Royal School of Medical and Allied Sciences
Masters of Physiotherapy, 3rd Semester
Semester End Examination, January 2023
Course Title : PHYSICAL AND FUNCTIONAL DIAGNOSIS -II
Course Code:PHT244C301

Time: 3 Hours

Maximum Marks: 70

Note: Attempt all questions as per instructions given.
The figures in the right-hand margin indicate marks.

Section – A

Q.1. Attempt all questions.

2 x 8

- Define : Prosthesis and orthotics
- List the uses of AFO and HKFO.
- Define FRC, Residual Volume and give its normal value.
- List contraindications of ECG testing
- What is the Importance of disability Evaluation?
- Define Step length and Stride length.
- Draw the normal ECG wave and what each wave in the pattern represents.
- Currents used in physiotherapy treatment and give their benefits.

Section – B

Q.2. Attempt any one of the following:

12 x 1

- What factors will you consider while assessing and designing a exercise program for a case of Parkinson's disease who is 65 old and has history of falls also plan the exercise program.
- List the main differences between restrictive and obstructive diseases. Give the PFT interpretation for restrictive lung disease.

Q.3. Attempt any two of the following:

7 x 2

- A patient has undergone CABG, choose the most convenient test to check the exercise tolerance and explain the same test and its use.
- Discuss the different types of prosthesis used for lower limb Amputations.
- What are the different Spinal braces. Explain their uses in different conditions.

Q.4. Attempt any two of the following:

7 x 2

- Discuss the components of disability evaluation of lower limb.
- Explain the kinetics and kinematics of normal gait.
- Explain the abnormal gait patterns and the cause of the gait.

Q.5. Attempt any two of the following:

7 x 2

- A case of complete damage to median nerve. Mention the muscles that will be involved and explain the rehabilitation.
- What is TENS? Explain how it works.
- What is Cryotherapy? Discuss the method of application and explain how it helps?