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MGM Institute of Physiotherapy
Prelim Examination October 2019
I MPT
Subject: Applied Physiotherapeutics (Part 1)

Maximum Marks: 100

Duration : 3 Hrs

Section 1 Professional Practice

Long Answer Question 20 marks

1. Define microteaching. What are the advantages of microteaching? Write in detail how to conduct a microteaching session in your department

Short Answer Question 3x10=30 marks

1. What are the advantages and disadvantages of multiple choice questions? What are the properties of ideal single answer type multiple choice questions?
2. What are the advantages and disadvantages of different teaching learning media in education?
3. What are the advantages and disadvantages of objective structured clinical examination as a method of assessment? How will you conduct a session of OSCE in your department?

SECTION 2 Research Methodology and Biostatistics

Long Answer Question 20 marks

1. Define research. Describe in detail research process and explain in detail experimental study design

Short Answer Question 3x10=30 marks

1. Explain in detail sampling techniques
2. Explain test of significance and enlist different parametric test and describe in detail chi square test
3. Explain in detail types of data, classification of data and level of measurement

MGM Institute of Physiotherapy
Prelim Examination October 2019
I MPT
Subject: APPLIED PHYSIOTHERAPEUTICS (PART 3)

Maximum Marks: 100

Duration : 3 Hrs

SECTION 1: PHYSIOTHERAPY DIAGNOSIS AND CLINICAL DECISION MAKING

Q.1 LONG ESSAY QUESTION 20 marks

1. Define and classify disability. Explain disability evaluation for locomotor, neurological and cardiorespiratory conditions. Write down what is prevention and explain prevention strategies for different levels.

Q.2 SHORT ESSAY QUESTION 3x10=30 marks

1. Describe in detail about exercise testing for elderly person.
2. Describe different forced expiratory volume test. Add note on PFT changes with bronchial Asthma.
3. Write in detail about abnormal spontaneous electromyographic activity

SECTION 2: ADVANCE PHYSIOTHERAPEUTICS

Q.1 LONG ESSAY QUESTION 20 marks

1. Discuss Exercise Prescription and Fitness Protocols for Patient who is recovering from ARDS. Add note on bed sore management.

Q.2 SHORT ESSAY QUESTION 3x10=30 marks

1. Explain the theories of motor control. Add a note on its clinical applicability
2. Explain the clinical diagnosis of derangement syndrome in detail and add a note on the traffic signal guidelines used in McKenzie approach.
3. Describe the various outcomes used in pain assessment in detail

MGM INSTITUTE OF PHYSIOTHERAPY

MPT II year Prelim October-2019

SUBJECT: Advances in Musculoskeletal Physiotherapy (part I)

Maximum Marks=100

Duration = 3 Hours

INSTRUCTIONS:

1. Attempt all questions
 2. Maximum marks are indicated in the right
 3. Illustrate the answers with suitable diagrams wherever necessary
 4. Please surrender your SWITCHED OFF cell phones at entry point to the Examination Hall
 5. Mobile phones, pagers, blue tooth or any other such communication devices are not allowed in the Examination premises and in all adjacent areas
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Q1. Long Answer question

(1 x 30= 30 Marks)

Advances in functional diagnostic procedures and various outcome measures relevant to musculoskeletal dysfunctions of upper quadrant

Q2. Long answer question

(3 X 10=30 Marks)

Describe patho-biological mechanisms of pain. Brief recent advances in pain evaluation and management

Q2. Short answer question (any 4 out of 5)

(4X 10=40 Marks)

- a. Advances in field of physiotherapy for upper quadrant dysfunctions.
- b. Disability evaluation
- c. Pharmacotherapeutics in musculoskeletal conditions and its relevance in physiotherapy.
- d. Therapeutic application of yogasanas for upper quadrant dysfunctions.
- e. Management of integumentary impairments due to musculoskeletal dysfunction.