

1806030101010001
EXAMINATION APRIL - 2024
MASTER OF PHYSIOTHERAPY (FIRST YEAR)
APPLIED BASIC SCIENCES

[Time: Three Hours]

[Max. Marks: 100]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **MASTER OF PHYSIOTHERAPY(FIRST YEAR)**
- b. Name of the Subject : **APPLIED BASIC SCIENCES**
- c. Subject Code No : **1806030101010001**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

SECTION - I

- Q.1 Write down long essay on: 20**
Write details of lumbar kinetics and kinematics in one situation and explain how physiotherapy professional is helped in making decisions.
- Q.2 Write down short essay on: 20**
a) Explain body composition analysis commonly practiced by physical therapy professional.
b) Moment arm of force and its application.
- Q.3 Write down very short essay on: 10**
a) Common pathological gait in neurological disorders.
b) Functions of menisci.

SECTION – II

- Q.4 Write down long essay on: 20**
Discuss various types of fatigue, its assessment and training for managing fatigue and its relevance with Exercise Tolerance tests.
- Q.5 Write down short essay on: 20**
a) Energy expenditure during walking and running.
b) Explain the principals and various methods for teaching.

Q.6 Write down very short essay on:

10

- a) Confidentiality and legal responsibility in medical practice.
- b) Legality and morality.
