

No. of Printed Pages: 1

Roll No.....

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DEPARTMENT OF PHYSIOTHERAPY
SCHOOL OF NURSING SCIENCES & ALLIED HEALTH

MPT 1st YEAR (SPORTS), ANNUAL EXAMINATION, MAY 2024

BASIC HEALTH SCIENCES (THEORY)

PAPER CODE: MTS – 161

Time: 3 Hours

Maximum Marks: 75 Marks

(Write your Roll No. on top of the paper immediately)

All sections are compulsory. Draw diagrams wherever necessary. Give examples wherever necessary.

SECTION – A

Answer any **FIVE** of the following: *A -*

(5 × 5 Marks = 25 Marks)

- Q1. Wallerian Degeneration and regeneration *24 m*
- Q2. Structure of Lumbar Intervertebral Disc
- Q3. Electromyography
- Q4. Cardiac output and its regulation
- Q5. Posterior pituitary hormones and their functions.
- Q6. Dislocations of the shoulder joint.

SECTION - B

Answer any **TWO** of the following:

(2 × 10 Marks = 20 Marks)

- Q1. Write briefly about the mechanism of muscle contraction and sources of energy for muscle contraction.
- Q2. Write about the drugs related to CVS.
- Q3. Write down the regulation of respiration and methods of studying respiratory abnormalities in athletes.
- Q4. Write down the importance of bone scan and DEXA Scan in sports Physiotherapy *< 1.5 - 2.5 N*

SECTION - C

Answer any **TWO** of the following:

(2 × 15 Marks = 30 Marks)

- Q1. Discuss the imaging techniques for Lumbo-sacral spine.
- Q2. Write in details about lung volumes and capacities.
- Q3. Discuss the Process of normal inflammation and repair. Add a note on failed healing response after an injury.
