

No. of Printed Pages: 2

Roll No.....

**JAMIA HAMDARD
DEPARTMENT OF PHYSIOTHERAPY
SCHOOL OF NURSING SCIENCES & ALLIED HEALTH**

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

BASIC HEALTH SCIENCES (THEORY)

PAPER CODE: MTM – 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:

(5 × 5 Marks = 25 Marks)

- Q1.** Describe the anatomical snuff box of hand.
- Q2.** Explain Injury to the long thoracic nerve causes winging of the scapula.
- Q3.** What are the hormones of thyroid gland and its function
- Q4.** Write a note on Estrogen.
- Q5.** Write a note on connective tissue,
- Q6.** Define and classify the NSAIDs.
- Q7.** MRI findings in an ACL injury
- Q8.** Mention the biological role of insulin

SECTION - B

Answer any **TWO** of the following:

(2 × 10 Marks = 20 Marks)

- Q1.** Define Cardiac cycle. Describe the events in various phases with the help of diagrams
- Q2.** Explain the Laws of ossification
- Q3.** Describe the properties of X ray. Enumerate the harmful effects of radiation and its preventive measures.
- Q4.** What is gluconeogenesis?

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SECTION - C

Answer any **TWO** of the following:

(2 × 15 Marks = 30 Marks)

- Q1.** Describe the pathogenesis of rheumatoid arthritis with diagram.
- Q2.** Discuss the role of ATP in skeletal muscle contraction & relaxation. Draw the diagram of the power house of cell.
- Q3.** Describe the role of lymphocytes in immunity. What is Acquired Immunodeficiency Syndrome (AIDS)?
- Q4.** Describe the pharmacological actions, therapeutic indication and adverse effects of corticosteroids.
- Q5.** Write in details the radiodiagnosis of osteoarthritis.
- Q6.** Draw diagram of neuromuscular junction. Explain the mechanism of transmission across neuromuscular junction.
