

Roll No.

JAMIA HAMDARD
RUFAIDA COLLEGE OF NURSING
POST BASIC B.Sc. NURSING I YEAR EXAMINATION
ANNUAL EXAMINATION FEBRUARY/ MARCH 2024
BIOCHEMISTRY & BIOPHYSICS
PAPER CODE: BSN PB-103

Time: Three hours

Max. Marks: 75

(Write your Roll No. at the top immediately on receipt of this question paper)

PART A- BIOCHEMISTRY (37 Marks)

Section A

Very Short Answer Type Questions:

Q1. Define the following terms:

(6x2=12)

- a) PUFA
- b) Gluconeogenesis
- c) Immunoglobulin
- d) ELISA
- e) Metabolism
- f) Nucleic Acid.

Section B

Long Answer Type Questions: Attempt ANY ONE question.

Q2. a) Enumerate the factors affecting enzyme activity.

(4+6=10)

b) Discuss in brief the precautions for handling specimens for enzyme estimation.

OR

a) Classify amino acids.

(4+6=10)

b) Discuss the functions of plasma proteins.

Section C

Short Answer Type Questions: Attempt ANY THREE questions.

Q3. Write short notes on ANY THREE of the following:

(3x5=15)

- a) Functions and sources of electrolytes.
- b) Glucose Tolerance Test (GTT).
- c) Hormones.
- d) Role of liver in fat metabolism.
- e) Functions of lipids.

P.T.O