

Reg. No:

**Second Year Bachelor of Occupational Therapy
Regular/Supplementary Examinations October 2024**

Biochemistry and Pharmacology

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

QP CODE: 203022

Section A: Biochemistry

Max. Marks: 50

Elaborate On

(20)

1. (a) Gluconeogenesis starting from lactate as substrate
(b) Structure and functions of RNA

Short Notes On

(4x5=20)

2. Galactosemia
3. Phospholipids
4. Complexes in ETC
5. Factors affecting enzyme activity

Short Answers

(5X2=10)

6. Rickets
7. Radioisotopes used in diagnosis
8. Transamination
9. Enzyme markers of myocardial infarction
10. Iron deficiency anemia

QP CODE: 204022

Section B: Pharmacology

Max. Marks: 50

Essay

(20)

1. Enumerate various routes of administration with one example of drug administered in each route. Discuss the merits and demerits of Intra-Muscular (IM) route of administration.

Short Notes

(4x5=20)

2. Classify drugs used in Hypertension. Write the mechanism of action, therapeutic uses and adverse effects of Furosemide.
3. Enumerate drugs used in the treatment of Malaria. Write the mechanism of action, therapeutic uses, and adverse effects of any one antimalarial drug.
4. Write the pathophysiology of Parkinsonism. Enumerate the drugs used in treatment of Parkinsonism. Add a note on Levodopa.
5. Classify drugs used for treatment of Peptic ulcer. Write the mechanism of action, uses and adverse effects of Pantoprazole.

Short Answers

(5X2=10)

6. Name four drugs used in treatment of Bronchial Asthma.
7. Name four drugs used in treatment of Epilepsy.
8. Name four drugs used as Local Anaesthetics.
9. Name four drugs used in treatment of Cancer.
10. Name four Penicillin group Antibiotics.
