

**Second Year Bachelor of Occupational Therapy Regular/
Supplementary Examinations October 2023**

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) Describe the digestion and absorption of lipids
(b) Describe the beta oxidation of fatty acid

Short Notes On

(4x5=20)

2. Significance of HMP pathway
3. Structure of DNA
4. Classification of enzymes with examples
5. Metabolism of tyrosine

Short Answers

(5X2=10)

6. Lab diagnosis of Diabetes mellitus
7. Metabolic acidosis
8. Absorption of iron
9. Normal blood level of sodium and potassium
10. Creatinine clearance test

QP CODE: 204022

Section B: Pharmacology

Max. Marks: 50

Essay

(20)

1. Classify Glucocorticoids. Write a note on the routes of administration, therapeutic uses and adverse effects of Dexamethasone.

Short Notes

(4x5=20)

2. Classify drugs used in the treatment of Parkinsonism. Mention the long term adverse effects of Levodopa.
3. Mention the mechanism of action, uses and adverse effects of Aspirin.
4. Mention four different groups of antibiotics with one example each. Mention the uses and adverse effects of Amoxicillin.
5. Drugs used in Malaria.

Short Answers

(5X2=10)

6. Name four drugs used in the treatment of Heart Failure
7. Name four different routes of drug administration
8. Name four drugs used in the treatment of Angina Pectoris.
9. Name four drugs used in the treatment of Malignancies.
10. Name four drugs used in the treatment of Epilepsy.
