

Reg. No:

**Second Year Bachelor of Occupational Therapy Degree Regular/
Supplementary Examinations October 2025**

**Biochemistry and Pharmacology
(2020 Scheme)**

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.
(b) Regulation of blood glucose.

Short Notes On

(4x5=20)

2. Digestion and absorption of lipids.
3. Metabolism of glycine.
4. Iron absorption in the intestinal tract. Add a note on iron deficiency anemia.
5. Deficiency manifestations of vitamin A.

Short Answers

(5X2=10)

6. Transamination.
7. Structure of t RNA.
8. Principle of chromatography.
9. Poly unsaturated fatty acid. Give example.
10. Diagnostic enzymes.

QP CODE: 204022

Section B: Pharmacology

Max. Marks: 50

Essay

(20)

1. Enumerate the different Non-steroidal Anti-inflammatory Drugs, Explain the mechanism of action, uses and adverse effects of any one of them.

Short Notes

(4x5=20)

2. Merits and demerits of intramuscular route of drug administration.
3. Uses and adverse effects of ACE Inhibitors.
4. Prevention and treatment of Anaphylaxis.
5. Mention four different groups of antibiotics with an example of drug each, write uses of Ciprofloxacin.

Short Answers

(5X2=10)

6. Name four drugs used in Parkinsonism belonging to different groups.
7. Write four uses of betablockers
8. Name four antiepileptic drugs.
9. Name four glucocorticoids.
10. Name four drugs used in the treatment of depression.
