

Second Year Bachelor of Occupational Therapy Supplementary Examinations February 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) Describe the digestion and absorption of carbohydrates
(b) Explain Gluconeogenesis

Short Notes On

(4x5=20)

2. Cholesterol synthesis
3. Electrophoresis
4. Renal function tests
5. Regulation of pH

Short Answers

(5X2=10)

6. Phospholipids
7. Disorders of copper metabolism
8. Diagnostic enzymes
9. tRNA
10. Niacin deficiency

QP CODE: 204022

Section B: Pharmacology

Max. Marks: 50

Essay

(20)

1. Classify drugs used in the treatment of bronchial asthma with one example each. Mention the mechanism of action, route of administration and adverse effects of anyone one of them. Name three devices used to deliver drugs through the inhalational route.

Short Notes

(4x5=20)

2. Classify drugs used in the treatment of Hypertension. Mention the adverse effects of Angiotensin converting enzyme inhibitors.
3. Uses and adverse effects of Heparin
4. Mention four drugs from different groups in the treatment of depression. Write a note on SSRIs.
5. Merits and demerits of intravenous injections.

Short Answers

(5X2=10)

6. Name four antimalarial drugs.
7. Name four drugs used in the treatment of hyperacidity.
8. Name four plasma expanders.
9. Name four beta blockers.
10. Name four uses of Diazepam.
