Second Year Bachelor of Occupational Therapy Supplementary Examinations May 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) Digestion and absorption of lipids
   (b) Inborn errors of metabolism of Phenyl alanine.

Short Notes On   **(4x5=20)**
2. Criteria for diagnosing diabetes mellitus
3. Lipoproteins
4. RIA
5. Deficiency disorder of vitamin B_1

Short Answers   **(5X2=10)**
6. OGTT
7. Ceruloplasmin
8. Bicarbonate buffer
9. Histones
10. Transmembrane proteins

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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 oral route of administration**.**

Short Notes   **(4x5=20)**
2. Classify Corticosteroids. Write the mechanism of action, therapeutic uses and adverse effects of prednisolone.
3. Classify beta lactam antibiotics with examples. Write the mechanism of action, therapeutic uses and adverse effects of Penicillin.
4. Classify drugs acting on cholinergic system. Write the mechanism of action, uses and adverse effects of Atropine.
5. Classify drugs used for treatment of epilepsy. Write the mechanism of action, uses and adverse effects of phenytoin.

Short Answers   **(5X2=10)**
6. Name four drugs used in treatment of bronchial asthma.
7. Name four Non-Steroidal Anti-Inflammatory Drugs (NSAIDS).
8. Name four drugs used in Congestive cardiac failure.
9. Name four drugs used in treatment of cancer.
10. Name four drugs used in treatment of hyperacidity.

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