

**Second B. Pharm (Ayurveda) Degree Regular/Supplementary  
Examinations March 2025  
Biochemistry & Pathophysiology**

**Time: 3 hrs****Max 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 diagrams wherever necessary*
- *Write SECTION A and SECTION B in separate Answer books (32Pages). Do not mix up questions from Section A and Section B.*

**Q.P. Code 206008****Section A- Biochemistry****75****Essays****(2x10=20)**

1. Define carbohydrates. Explain in detail about glycolysis
2. Explain DNA replication and the steps involved

**Short notes****(5x5=25)**

3. Co - enzymes
4. Mutation
5. Formation of Bile pigments
6. Synthesis of ketone bodies
7. Passive transport

**Answer briefly****(10x3=30)**

8. Enzymes involved in biological oxidation
9. Bile pigments
10. Write about enzyme inhibition with suitable examples
11. Role of sphingolipids
12. Nitrogen cycle
13. Metabolic disorders of urea cycle
14. Glyoxylate cycle.
15. Transamination
16. Beta oxidation.
17. Products of tyrosine metabolism

**Q.P. Code 207008****Section B- Pathophysiology****25****Answer briefly****(5x5=25)**

1. Process of inflammation and repair
2. Epilepsy
3. Diabetes
4. Cellular adaptation, atrophy, hypertrophy
5. Types of neoplasms

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