

Reg. No.:.....

**Second B. Pharm (Ayurveda) Degree Regular/Supplementary
Examinations March 2024
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 glycolysis. Explain the reactions involved.
2. Explain biosynthesis of purine nucleotides.

Short notes

(5x5=25)

3. Briefly explain transport processes across cell membrane.
4. metals as coenzymes.
5. Structure of DNA.
6. Explain formation of bile pigments.
7. DNA repair mechanism.

Answer briefly

(10x3=30)

8. Enzymes involved in biological oxidation.
9. Enumerate the role of sphingolipids.
10. Mutation.
11. Significance of amino acids.
12. Essential fatty acids.
13. Catabolism of phenyl alanine.
14. Importance of ATP.
15. Different isoenzymes of LDH.
16. Galactosemia.
17. Explain Ketogenesis.

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Section B- Pathophysiology

25

Answer briefly

(5x5=25)

1. Atherosclerosis.
2. Gout.
3. Tuberculosis.
4. Morphology of cell injury.
5. Rheumatoid arthritis.
