

Reg. No.:.....

**Second B. Pharm (Ayurveda) Degree Regular/Supplementary
Examinations March 2023
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. Explain the process of electron transport chain. Specify the function of complex IV.
2. Define carbohydrates. Explain glycolysis. Mention its significance.

Short notes

(5x5=25)

3. Co-enzymes.
4. Phospholipids.
5. Mutation.
6. Biosynthesis of RNA.
7. Urea cycle.

Answer briefly

(10x3=30)

8. Name three essential amino acids with their biochemical importance.
9. Beta oxidation.
10. Enumerate the diagnostic importance of enzymes.
11. Glyoxalate cycle.
12. Hyperbilirubinemia.
13. Mechanism of oxidative phosphorylation.
14. Importance of deamination reaction.
15. How ketone bodies are utilized in our body.
16. Nitrogen cycle.
17. Enlist the functions of cell membrane.

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Section B- Pathophysiology

25

Answer briefly

(5x5=25)

1. Write a note on cellular adaptation, atrophy and hypertrophy.
2. Outline the process of inflammation and repair.
3. Asthma.
4. Types of neoplasms.
5. Hypertension.
