

Second B. Pharm (Ayurveda) Degree Supplementary Examinations
August 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. Explain in detail citric acid cycle pathway
2. What is mutation. Explain chemical mutagenesis and DNA repair mechanism

Short notes

(5x5=25)

3. Vitamin B₃ and Vitamin B₆ as coenzymes
4. Phospholipids
5. Enzyme kinetics
6. Metabolic disorders of urea cycle
7. Oxidative Phosphorylation

Answer briefly

(10x3=30)

8. Name any three essential amino acids
9. Beta oxidation of fatty acids
10. Functions of cell membrane
11. Outline the process of formation of bile pigments
12. Ketogenesis
13. Catabolism of Phenyl alanine
14. Biological significance of ATP
15. Significance of RNA in protein synthesis
16. Uniport, Symport and antiport
17. Nitrogen cycle.

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Section B- Pathophysiology

25

Answer briefly

(5x5=25)

1. Gout
2. Tuberculosis
3. Hypertension
4. Asthma
5. Peptic ulcer
