

Reg. No.:.....

**Second B.Pharm (Ayurveda) Degree Regular/Supplementary
Examinations April 2021
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. Describe pentose phosphate pathway in detail.
2. Explain DNA replication and steps involved.

Short notes

(5x5=25)

3. Briefly explain enzyme kinetics
4. Urea cycle and its significance
5. Explain various components of respiratory chain
6. Enzyme inhibition
7. Glycogenolysis

Answer briefly

(10x3=30)

8. Inhibitors of oxidative phosphorylation.
9. Enumerate the role of prostaglandins.
10. Nitrogen balance.
11. Significance of coenzymes.
12. Hyperbilirubinemia.
13. Amphibolic role of TCA cycle.
14. Glyoxalic acid cycle.
15. Redox potential.
16. Significance of RNA in protein synthesis
17. Catabolism of any one amino acid

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Section B- Pathophysiology

25

Answer briefly

(5x5=25)

1. Anaemia
2. Diabetes
3. Mediators of inflammation
4. Atrophy
5. Hypertension
