

**Second B.Pharm (Ayurveda) Degree Supplementary Examinations March
(November), 2020
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 in detail the process of replication.
2. Define enzyme inhibition. With suitable examples, explain competitive and uncompetitive inhibitions

Short notes

(5x5=25)

3. Metabolic disorders of urea cycle
4. Structure and function of mitochondria
5. Passive transport
6. Ketone bodies
7. Hyperbilirubinemia

Answer briefly

(10x3=30)

8. Define exergonic and endergonic reactions.
9. What is pellagra. What are the symptoms.
10. Structure of tRNA.
11. Write the importance of glycogenolysis, gluconeogenesis and glycolysis
12. Give examples of any three chemical mutagens.
13. Name the pathway for the following:
 - NADPH synthesis • oxidation of NADH • synthesis of glycogen
14. Define nitrogen balance
15. What is Beta Oxidation.
16. Enumerate the various roles of phospholipids
17. Define leading and lagging strand

Q.P. Code 207008

Section B- Pathophysiology

25

Answer briefly

(5x5=25)

1. Biochemical changes in cell injury
2. Diabetes
3. Tuberculosis
4. Asthma
5. Process of tissue repair
