

Reg. No.:.....

**Second B.Pharm (Ayurveda) Degree Supplementary Examinations,
April 2016
Biochemistry & Pathophysiology**

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary
- Write **SECTION A** and **SECTION B** in separate Answer books (32 Pages). Do not mix up questions from Section A and Section B.

Q.P.Code 206008

Section A- Biochemistry

75

Essays

(2x10=20)

1. Outline the steps of citric acid cycle and mention its biological significance.
2. Describe the process of DNA replication. Name two inhibitors of replication.

Short notes

(5x5=25)

3. Structure of cell membrane.
4. Classification of enzymes.
5. Urea cycle.
6. Co-enzyme functions of niacin.
7. Beta-oxidation of palmitic acid.

Answer briefly

(10x3=30)

8. Introns and exons.
9. Oxidative phosphorylation.
10. Active site of enzyme.
11. Genetic code.
12. Structure of ATP and its significance.
13. Hyperbilirubinemia
14. Mutation.
15. Nitrogen cycle.
16. Iso-enzymes of LDH.
17. Ketosis.

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Section B- Pathophysiology

25

Answer briefly

(5x5=25)

1. Define and classify anemia
2. Causes of cell injury.
3. Rheumatoid arthritis
4. Explain pathophysiology of peptic ulcer.
5. Hypertension.
