

Reg. No.:.....

**Second B.Pharm (Ayurveda) Degree Supplementary Examinations,
April 2017**

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. Describe lipid metabolism in detail
2. Detail the biosynthesis of nucleic acids

Short notes

(5x5=25)

3. Enzyme inhibition
4. The stages of fatty acid oxidation
5. Krebs cycle
6. Role of metals as co enzymes and their significance
7. Biochemical functions of vitamin A

Answer briefly

(10x3=30)

8. Functions of endoplasmic reticulum
9. Positive gene regulation
10. Functions of essential fatty acids
11. Deficiency manifestations of vitamin C
12. Hyperbilirubinemia
13. Toxicity of ammonia
14. Hyperuricemia
15. Glycolysis.
16. Physical and chemical mutagens
17. Gout

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Section B- Pathophysiology

25

Answer briefly

(5x5=25)

1. Differentiate between atrophy and hypertrophy
2. Causes of cell injury
3. Peptic ulcer
4. AIDS
5. Acute renal failure
