

Reg. No.:.....

Second B.Pharm (Ayurveda) Degree Examinations, October 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. Describe lipid metabolism in detail
2. Describe enzyme kinetics and its mechanism of action

Short notes

(5x5=25)

3. Structure of cell membrane
4. What are the salient features of Watson-Crick model of DNA
5. Biochemical functions of vitamin A
6. Krebs cycle
7. Enzyme specificity

Answer briefly

(10x3=30)

8. Functions of endoplasmic reticulum
9. Positive gene regulation
10. Creatinine synthesis
11. Deficiency manifestations of vitamin A
12. Types of steroids and their functions
13. Functions of essential fatty acids
14. Hyperbilirubinemia
15. Physical and chemical mutagens
16. Gout
17. Types of mutations

Q.P. Code 207008

Section B- Pathophysiology

25

Answer briefly

(5x5=25)

1. Cellular adaptations
2. Causes of cell injury
3. Stages of inflammation
4. Hypertension
5. Arteriosclerosis
