

Reg. No.:.....

Second B.Pharm (Ayurveda) Degree Supplementary Examinations, April 2014
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 the process of glycolysis. Explain how many molecules of ATP are formed in anaerobic and aerobic conditions
2. What are the different types of enzymes inhibition and explain with suitable examples

Short notes

(5x5=25)

3. Amphibolic nature of citric acid cycle
4. Sites of production of ATP in electron transport chain
5. Name the important metabolic products formed from glycine
6. Mention the significance of hexose monophosphate shunt(HMP) pathway
7. Purine catabolism

Answer briefly

(10x3=30)

8. Clinical significance of lactate dehydrogenase(LDH)
9. Inhibitors of protein biosynthesis
10. Coenzyme functions of niacin
11. Phospholipids
12. Ketogenesis
13. Prostaglandins
14. Structure of cell membrane
15. Different types of mutation
16. Sulphur cycle.
17. Synthesis of catecholamines

Q.P.Code 207008

Section B- Pathophysiology

25

Answer briefly

(5x5=25)

1. Explain apoptosis
2. Steps involved in cellular adaptation
3. Explain the causes and pathophysiology of asthma
4. Steps involved in the formation of tumor
5. What is peptic ulcer and discuss the pathophysiology of peptic ulcer
