

**Second B.Pharm (Ayurveda) Degree Supplementary Examinations,
March 2015
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. Significance of HMP shunt pathway.
2. Describe the steps of catabolism of phenylalanine are catabolized and mention the inborn errors associated with this.

Short notes

(5x5=25)

3. Inhibitors of electron transport chain.
4. Co-enzyme function of biotin
5. Purine catabolism.
6. Frame-shift mutation.
7. Metallo-enzymes.

Answer briefly

(10x3=30)

8. Facilitated transport.
9. Glycogen storage diseases.
10. Prostaglandins.
11. Ketogenesis
12. Cori's cycle.
13. Oxidative phosphorylation.
14. Biological action of glutathione.
15. Sulphur cycle.
16. Metabolic disorders associated with urea cycle.
17. Okazaki pieces.

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Section B- Pathophysiology

25

Answer briefly

(5x5=25)

1. Gout.
2. Epilepsy.
3. Arteriosclerosis.
4. Mediators of inflammation.
5. Causes of cell injury
