

QP Code: 223006

Reg. No.....

**Second Semester B.Pharm Degree Supplementary Examinations  
January 2019**

**Biochemistry  
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- Answer all questions
- Draw diagrams wherever necessary

**Essays**

**(2x10=20)**

1. Discuss in detail about HMP shunt.
2. Briefly describe about urea cycle with its disorders

**Short Notes**

**(7x5=35)**

3. Electron transport chain.
4. Classification of proteins. Add a note on its biological role.
5. De novo synthesis of fatty acids.
6. Hypercholesterolemia.
7. Synthesis and significance of 5HT.
8. Semiconservative model of DNA replication.
9. Isoenzymes

**Answer Briefly**

**(10x2=20)**

10. Albinism.
11. Transcription.
12. Substrate level phosphorylation.
13. Obesity.
14. Decarboxylation.
15. Enzyme induction.
16. Hyperbilirubinemia.
17. Nomenclature of enzymes.
18. What is G6PD deficiency
19. Cyclic AMP

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