

**QP CODE: 217006**

**Reg. No: .....**

**Second Year B.Pharm Degree Supplementary Examinations June 2019**

**Applied Biochemistry & Molecular Biology**

**(2012 Scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Write equations wherever necessary.

**Essay**

**(3x10=30)**

1. Explain in detail the process of transcription. Add a note on inhibitors of transcription
2. Give a detailed account on urea cycle. Add a note on its disorders.
3. Describe in detail about the metabolism of ketone bodies. Explain ketosis

**Short notes**

**(14x5=70)**

4. Transamination
5. Coenzymes and cofactors and their biochemical significance
6. Genetic code and mutation
7. High energy compounds
8. Classification of amino acids
9. Cholesterol and its importance
10. Gout
11. Phenylketonuria
12. Endoplasmic reticulum and golgi apparatus
13. Inhibitors of electron transport chain
14. Factors affecting enzyme activity
15. Glycolysis and its significance
16. Regulation of blood glucose in fasting state
17. Polymerase chain reaction

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