

**QP CODE: 207006**

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

**Second Year B.Pharm Degree Supplementary Examinations June 2019**  
**Applied Biochemistry & Molecular Biology**  
**(2010 Scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Describe in detail about glycolysis. Add a note on its energetic and regulation.
2. Describe in detail the metabolism of phenylalanine. Add a note on inherited disorders associated with it.
3. Define enzyme. How are they classified. Give suitable examples. Describe the factors affecting the enzyme activity

**Short notes**

**(14x5=70)**

4. Ketone bodies
5. Denaturation of proteins
6. Isoenzymes
7. Competitive inhibition
8. Inhibitors of electron transport chain
9. Diabetes mellitus
10. Types of RNA and their functions
11. Prostaglandin
12. Genetic code
13. Fatty liver
14. Transport mechanisms
15. Heteropolysaccharides
16. Lipoprotein
17. Transcription

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