



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**M.Sc. DEGREE EXAMINATION – ZOOLOGY**

**SECOND SEMESTER – APRIL 2017**

**16PZO2MC03- BIOCHEMISTRY**

Date: 24-04-2017  
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

**Part A**

**Answer ALL the questions**

**(10×2=20 Marks)**

1. What is called stabilizing interaction.
2. What is called stereoisomerism?
3. Substantiate DNA is a polyester.
4. What are chylomicrons.
5. What are called energy transducers?
6. Comment on zero order reaction (enzyme)
7. What are cytochromes.
8. What are steroids?
9. Write note on activation energy.
10. Comment on inter molecular interaction.

**Part B**

**Answer any FOUR questions**

**(4×10=40 Marks)**

11. Give an account on pH and its importance.
12. Describe fat soluble vitamins.
13. Discuss catabolism of lipids.
14. Describe the process of anabolism of nucleic acid.
15. Describe recent trends in biotechnology.
16. Give an account on acetylcholine esterase.

**Part C**

**Answer any TWO questions**

**(2×20=40 Marks)**

17. Write an essay on structure and functions of lipids.
18. Describe catabolism of amino acids.
19. Discuss catabolism of carbohydrate.
20. Discuss Michalis-Menton equation and it's important.