

**C. ABDUL HAKEEM COLLEGE (AUTONOMOUS),**

**MELVISHARAM - 632 509.**

**SEMESTER EXAMINATIONS, NOVEMBER – 2018**

**B.Sc., CHEMISTRY**

**SEMESTER IV**

**U15ACH402 / U14ACH402 – BIOCHEMISTRY - II (ALLIED)**

Time: Three Hours

Maximum: 60 Marks

**SECTION - A (10 X 1 = 10 Marks)**

Answer **ALL** Questions.

1. ATP.
2. Fatty acid.
3. Hypoxia.
4. Edema.
5. Allosteric inhibition.
6. Biocatalysts.
7. Amber codon.
8. Aminoacyl transferase.
9. Pernicious anemia.
10. Electrolytes.

**SECTION - B (5 X 4 = 20 Marks)**

Answer **ALL** Questions.

11. a) What is the significance of SGPT and SGOT?  
(Or)  
b) What is oxidative deamination?
12. a) Discuss on the causes and symptoms of Ketosis.

(Or)

b) Describe about glycogen storage diseases.

13. a) What are the factors that affect enzyme activity?

(Or)

b) Write the three important derivations of Michaelis Menten's equation.

14. a) Explain the steps involved in transcription.

(Or)

b) Write short notes on the types of RNA.

15. a) What is the importance of Iron to the body?

(Or)

b) What are the functions of Vitamin D?

**SECTION - C (3 X 10 = 30 Marks)**

Answer **ANY THREE** Questions.

16. Explain the reactions of urea biosynthesis.
17. Given an account on Jaundice and its clinical features.
18. Explain the mechanism of enzyme action.
19. Explain the mechanism of DNA replication.
20. Elaborate on the components of Vitamin B complex.

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