

**D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1****SEMESTER EXAMINATIONS****APRIL – 2019****15CPFN2A****BIOCHEMICAL BASIS OF NUTRITION****Time : 3 Hours****Max. Marks: 75****SECTION – A (5 x 6 = 30)****Answer ALL the questions.**

1. (a) Explain the co - enzymes involved in oxidation reaction.

(Or)

- (b) What is oxidative phosphorylation? Explain the mechanism.

2. (a) What is galactosemia? Explain in detail.

(Or)

- (b) Explain TCA cycle schematically.

3. (a) Explain the types of hyper lipoproteinemia with its effect.

(Or)

- (b) What are lipoproteins? Explain its signification in humans.

4. (a) What is maple syrup disease? How is it caused?

(Or)

- (b) Explain oxidative determination of proteins.

5. (a) What is gout? Explain.

(Or)

- (b) Explain the structure of tRNA.

**SECTION – B (3 x 15 = 45)****Answer any THREE of the following questions.**

6. Explain in detail about the respiratory chain.
7. What is glycolysis? Explain the mechanism involved in glycolysis with the enzyme involved.
8. How is cholesterol biosynthesized? Explain.
9. Explain the urea cycle in detail.
10. Explain the liver function tests based on excretory and metabolic functions in detail.

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