

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1**SEMESTER EXAMINATIONS****APRIL - 2019****15CBC6E****ELECTIVE IV : CLINICAL BIOCHEMISTRY****Time : 3 Hours****Max. Marks : 75****SECTION – A (10 x 2 = 20)****Answer ALL the questions.**

1. Name few anticoagulants.
2. Define homeostasis of blood glucose.
3. Define glycosuria.
4. What is hyperuricemia?
5. What is Cystinuria?
6. What is Alkaptonuria?
7. What are isoenzymes?
8. What are nonfunctional plasma enzymes?
9. Define Clearance Test.
10. Define NIDDM.

SECTION – B (5 x 5 = 25)**Answer any FIVE of the following questions.**

11. Write an account on collection and preservation of biological samples.
12. Discuss the metabolic changes in Diabetes.
13. Explain Albinism and Haemophilia.
14. Differentiate between hypo and hypercholesterolemia.
15. Explain about differential diagnosis of Jaundice.
16. Discuss on atherosclerosis.
17. Describe the Liver function test based on detoxification.
18. Discuss the various enzymes involved in Bone disorder.

SECTION – C (3 x 10 = 30)**Answer ALL the questions.**

19. (a) Elaborate on glycogen storage diseases.

(Or)

- (b) Give a detailed account on Phenylketonuria and its types.

20. (a) What is gout? Explain its types and treatment.

(Or)

- (b) Briefly explain Fatty Liver and factors affecting Blood Cholesterol Level.

21. (a) Explain urea clearance test to assess the renal function.

(Or)

- (b) Explain about enzyme patterns in acute pancreatitis and myocardial infarction.

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