Reg.No : | | | | | | | | | | | |

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE – 1

SEMESTER EXAMINATIONS

APRIL - 2017 **CBC6E**

CLINICAL BIOCHEMISTRY

Time: 3 Hrs **Max. Marks: 75**

SECTION – A (10 X 2 =20)

Answer ALL the questions.

1. Define anticoagulants with examples.
2. What are preservatives? Give eg.
3. Define ESR.Give the significance.
4. What is Anemia?
5. Define Diabetes Mellitus.
6. Write a brief note on Phenyl ketonuria.
7. What is Atherosclerosis?
8. Write a note on Fatty liver.
9. Give the principle and importance of diagnostic enzymes of diagnostic value.
10. Write the clinical significance of LDH.

SECTION – B (5 X 5 =25)

Answer any FIVE of the following questions.

11. Write a note on the procedures for collection and transport of specimens in a clinical laboratory.
12. Explain the pathogenesis of sickle cell anemia and state the clinical features.
13. Describe the metabolism of bilirubin.
14. Write a note on Glycogen storage diseases.
15. Give the causes and treatment for the carbohydrate metabolic disorder fructosuria and Galactosuria.
16. Comment on the clinical features of atherosclerosis.
17. Give the causes and consequences of fatty liver.
18. Write the clinical significance and functions of enzymes elevated in myocardial infarction and Prostate carcinoma.

SECTION – C (3 X 10 =30)

Answer ALL the questions.

19. a) How will you estimate the chemical constituents present in blood, urine and feaces in a normal individual.

(Or)

b) Enumerate the functions of liver and describe the procedure and interpretation of Liver function test.

20. a) Outline the different types of Diabetes Mellitus and their secondary complications.

(Or)

b) What are amino aciduria's? Describe the disorders of aromatic amino acids.

21. a) Describe the disorders of purine metabolism.

(Or)

b) Describe the disorders of cholesterol and fat metabolism.

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