

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

II B.Sc Biochemistry

Semester : III

Tile of the paper: Non Major – Diagnostic Biochemistry I

Subject Code : 15NBC3A

SECTION-A 2 MARKS

1. Define Normality?
2. Define Molality?
3. Define Molarity?
4. What is osmolarity?
5. What is ionic strength?
6. Define osmosis?
7. What is isotonic solution?
8. Differentiate hypo an hypertonic solutions?
9. What is hypertonic solution?
10. What is hypotonic solutions?
11. What are specimen? Give example?
12. What are anticoagulant?
13. What are preservatives? Give example?
14. How the biological specimen are transported?
15. What is the normal level of glucose in blood?
16. What is hypoglycemia ?
17. What is hyperglycemia?
18. Define Diabetes Mellitus and its types?
19. What is GTT?
20. What is Glycosylated Hemoglobin?
21. What is the normal level of Bilirubin in Blood?
22. Define jaundice?
23. What are the types of jaundice?

24. How VD Berg reaction is performed?
25. What is the significance of Erlisch's diazo reagent?
26. What are the normal level of urea in blood and urine?
27. What are the normal level of creatinine?
28. What is inulin?
29. How is PAH is performed?
30. What is concentration test?
31. What is dilution test?
32. How the gastric content is collected?
33. Why the gastric content is collected in clinical laboratory?
34. What is FTM stimulation test?
35. What is tubeless gastric analysis?

SECTION-B 10 MARKS

1. Write short notes on i) Normality(2) ii) Osmolarity (3) Isotonic strength(5)
2. Explain osmosis and its applications?
3. Explain i) Hypertonic solution (5) ii) hypotonic solution (5)
4. Explain how the biological samples are collected in clinical labs?
5. Write shorts on preservatives and anticoagulants?
6. Explain Diabetes mellitus and its types?
7. Explain i) GTT (5) ii) Glycosylated hemoglobin(5)
8. Write short notes on i) Hyperglycemia(5) ii) hypoglycemia (5)
9. Explain the metabolism of bilirubin?
10. Explain differential diagnosis of jaundice?
11. Explain Liver function test?
12. Explain Renal function test?
13. Explain Urea clearance test?
14. Explain i) Inulin Clearence (5) ii) Creatinine Clearance test(5)
15. Explain gastric function test?
16. Explain i) FTM stimulation test(5) ii) tubeless gastric analysis(5)