

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

**II B.Sc Biochemistry**

**Semester : IV**

**Title of the paper: Medical Laboratory Technology II**

**Subject Code : 15SBC4A**

**SECTION-A      2 MARKS**

1. Define Blood?
2. What are the types of Blood?
3. What are Blood factors?
4. Define Blood Pressure?
5. What is pulse?
6. Which Blood group is called as universal recipient? Why?
7. What is cross matching?
8. Define sample? Give example?
9. What are preservatives?
10. Write the clinical significance of measuring specific gravity in urine?
11. List out the normal constituent of urine?
12. List out abnormal constituent of urine?
13. Write the importance of inspection of faeces?
14. What are the abnormalities noticed in microscopic examination of fecal sample?
15. Write the clinical significance of occult blood in fecal sample?
16. Write the clinical significance of examination of stools?
17. What is glucosuria ?
18. What is pentosuria?
19. What is the normal level of ketone bodies in Blood?
20. Add a note on ketonuria?
21. What is hematuria?

**SECTION-B      10 MARKS**

1. Elaborate the composition and functions of Blood?
2. Explain the types of Blood cells?
3. Add a note on Blood grouping system?
4. Explain the mechanism of Blood clotting?
5. Explain incompatibility Blood transfusion reactions and its complications
6. List out Blood clotting factors?
7. Explain cross matching?
8. Explain the various methods of collection of urine?
9. Explain how the urine is examined physically? And write its importance?
10. Elaborate the abnormal constituent of urine?
11. Explain the normal constituent of urine?
12. Explain microscopic and macroscopic examination of urine?
13. Explain the collection procedures of feaces?
14. Explain what are the interfering substances of urine sample?
15. Explain the various test procedures to find out the abnormal constituent of feaces?
16. Elaborate the types and clinical significance of proteinuria?
17. Add a note on i) Ketonuria (5) ii) Hematuria(5)?