

**First Year B.Sc MLT Degree Supplementary Examinations  
February 2019**

**Basic Medical Laboratory Science & Haematology**

**(Common for 2010 and 2015 Scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Mention the methods of Hb estimation. Describe the cyanmet hemoglobin method in detail.
2. Describe the methods for the estimation of packed cell volume

**Short notes**

**(10x5=50)**

3. Platelet count
4. Romanowsky stains
5. Abnormal cells in blood
6. Reticulocyte count
7. Resolution of microscope
8. Universal safety precautions
9. Leucopoiesis
10. Osmotic fragility test
11. Principle of transmission of electron microscope
12. Biomedical waste management

**Answer briefly**

**(10x3=30)**

13. Quality control in hematology laboratory
14. Objective lenses of light microscope
15. Cleaning of laboratory glass wares
16. Mean cell volume
17. EDTA
18. Correction of total WBC count for nucleated red cells
19. First aid in a medical laboratory
20. Capillary blood collection
21. Westergren's method for ESR estimation
22. Blood diluting pipettes

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