

[LO 0519]

MAY 2019

Sub. Code: 1253

**M.Sc. MEDICAL LABORATORY TECHNOLOGY EXAMS  
FIRST YEAR  
PAPER III – HAEMATOLOGY AND CLINICAL PATHOLOGY**

*Q.P. Code: 281253*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Classify Anaemia and discuss the laboratory methods in investigating Thalassemia.
2. Discuss in detail about principle and applications of various microscopes.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Anticoagulants.
2. ESR.
3. Semen analysis.
4. Blood grouping and its role in transfusion.
5. Fluorescence In Situ Hybridisation and its applications.
6. Clotting time.
7. Centrifuge and its uses.
8. Bone marrow aspiration and staining.
9. Histogram.
10. Preparation of thick smear, staining and its uses.

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