

[LP 1019]

OCTOBER 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. Pre-analytical, Analytical and Post analytical errors.
2. Haemolytic Anemia – classification and role of lab in their diagnosis.

II. Write notes on:

(10 x 6 = 60)

1. Principle involved in automated haematology analyzer for Platelet and WBC Count.
2. Karyotyping.
3. Different types of vacutainers used for blood collection and explain any two.
4. Platelet agitators.
5. Fluorescence in Situ Hybridization.
6. RNA Translation.
7. ESR – different methods and factors influencing it.
8. Principle and application of PH meter.
9. Chronic Myeloid Leukemia.
10. Principle involved in staining of blood smear.
