

**Time: Three Hours****Max. Marks: 100 Marks****PATHOLOGY - PAPER I (RS3)****QP Code: 1081**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAYS**2 x 10 = 20 Marks**

1. Describe the pathogenesis, pathology of Leprosy. Add a note on the laboratory diagnosis.
2. Describe the laboratory diagnosis of Acute myeloid leukemia.

SHORT ESSAYS**10 x 5 = 50 Marks**

3. Metaplasia
4. Cystic fibrosis
5. Infraction
6. Klinefelter syndrome
7. Type IV hypersensitivity
8. Tumor markers
9. Chemotaxis
10. Indications of Bone marrow aspiration
11. Casts in urine
12. Aplastic anemia

SHORT ANSWERS**10 x 3 = 30 Marks**

13. Pap smear
14. Name the tumors caused by Epstein-Barr virus
15. Anticoagulants used for coagulation studies
16. Mention the different methods of hemoglobin estimation.
17. List the causes of hematuria.
18. Bence Jones proteins
19. Enumerate the conditions of raised ESR.
20. Uses of Buffy coat
21. Name the available blood components
22. Enumerate the causes of thrombocytopenia.
