

[LK 116]

MAY 2017

Sub. Code: 2013

M.D. DEGREE EXAMINATION

BRANCH III – PATHOLOGY

**PAPER IV – IMMUNOPATHOLOGY, HAEMATOLOGY, PRINCIPLES
AND APPLICATIONS TO TECHNOLOGICAL ADVANCES
IN LABORATORY SERVICES**

Q.P. Code :202013

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 10 = 20)

1. Discuss about plasma cell dyscrasias.
2. Discuss Automation in Histopathology.

II. Write Short Notes on:

(8 x 5 = 40)

1. Photography of gross specimens.
2. LJ chart.
3. Urinary sediments.
4. ESR.
5. Primary myelofibrosis.
6. Cutaneous lymphoma.
7. Sideroblastic anaemia.
8. Recent advances in classification of AML.

III. Reasoning Out:

(4 x 5 = 20)

1. A 15 year old boy came with complaints of haemarthrosis. His father had similar episodes. What is your probable diagnosis? Discuss the pathophysiology, clinical features and management of the disorder.
2. A 19 year old girl presented with anaemia, repeated leg ulcers and auto splenectomy. What is your diagnosis? Discuss the etiopathogenesis, pathophysiology, diagnosis of the disease.

3. A 23 year old female presented with solitary nodule thyroid in the left lobe with cervical lymphadenopathy. FNAC of thyroid was done. Discuss the differential diagnosis in cytology.
4. A 50 year old lady presented with anaemia, paraesthesia of lower limbs. She had beefy tongue. Her serum LDH was mildly elevated. What are the investigations you recommend for arriving at a diagnosis?

IV. Very Short Answers:

(10 x 2 = 20)

1. RS cell.
2. Ph' chromosome.
3. HbA1C.
4. Autologous blood transfusion.
5. Glanzmann's thrombasthenia.
6. Prognostic factors in ALL.
7. Congenital anaemias.
8. Storage of platelets in blood bank.
9. Osmotic fragility test.
10. Enumerate uses of silver stains in Histopathology.
