

PATHOLOGY

PAPER – IV

PATHO/APRIL/16/32/IV

Time : 3 hours

Max. Marks : 100

Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) Define and classify hemophagocytic syndrome, and approach to its lab diagnosis. 6+4
b) Waldenstrom microglobulinemia.
2. a) Hematological changes in dengue fever. 5+5
b) Etiology and diagnosis of Pure Red Cell Aplasia.
3. a) Infectious complications of blood transfusion. 5+5
b) Value of reticulocyte preparation in diagnosis of anemia.
4. a) Morphology of primary myelofibrosis. 5+5
b) Hypoplastic acute leukemia.
5. a) Pathophysiology of sickling 5+5
b) Molecular basis of mixed lineage leukemia.
6. a) Lab diagnosis of macrocytic anaemias. 5+5
b) Pathogenesis and lab diagnosis of hypereosinophilic syndrome.
7. a) Antiphospholipid syndrome. 5+5
b) Hematological manifestations in HIV disease.
8. a) Diagnostic criteria of multiple myeloma. 6+4
b) Hematological manifestations of SLE.
9. a) Secondary polycythemia. 5+5
b) Prognostic markers of acute lymphoblastic leukemia.
10. a) Prolymphocytic leukemia and its differential diagnosis. 6+4
b) International Normalized Ratio (INR), its derivation and significance.
