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FINAL EXAM JUNE 2018

NATIONAL BOARD OF EXAMINATIONS

PATHOLOGY PAPER-IV

PATH/J/18/32/IV

5+5

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.

a) Biochemical basis of megaloblastic anaemia.

Write short notes on:

1.

| | b) Pathogenesis of anaemia of chronic disorders. | |
|-----|--|-----|
| 2. | a) Flow cytometric evaluation of chronic lymphoproliferative diseases.b) Qualitative defects of platelets and their diagnosis. | 5+5 |
| 3. | a) Diagnostic criteria of multiple myelomab) Indications and interpretation of bone marrow trephine biopsy. | 5+5 |
| 4. | a) Hemophagocytic syndromes b) Lab findings and diagnostic criteria in antiphospholipid antibody syndrome. | 5+5 |
| 5. | a) Prognostic factors of acute lymphoblastic leukemiab) Enumerate tyrosine kinase receptor mutations in chronic myeloproliferative disorders. | 5+5 |
| 6. | a) Molecular pathogenesis of β thalassemia.b) Classification and laboratory findings in immune haemolytic anaemia. | 5+5 |
| 7. | a) Indications for use of blood components.b) Immunological transfusion reaction. | 5+5 |
| 8. | a) Causes and diagnostic approach to neutropenia.b) Apheresis | 5+5 |
| 9. | a) Laboratory findings in hairy cell leukemia.b) Pathology & pathophysiology of acquired thrombotic thrombocytopenic purpura. | 5+5 |
| 10. | a) Genetic basis of hemochromatosis.b) Pathogenesis of myelodysplasia. | 5+5 |
