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FINAL EXAM
DECEMBER 2016

NATIONAL BOARD OF EXAMINATIONS

PATHOLOGY

PAPER – IV

PATH/D/16/32/IV

Time : 3 hours
Max. Marks : 100

IMPORTANT INSTRUCTIONS

- ***This question paper consists of 10 questions divided into Part 'A' and Part 'B', each part containing 5 questions.***
- ***Answers to questions of Part 'A' and Part 'B' are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.***
- ***Answers to questions of Part 'A' attempted in answer sheet(s) of Part 'B' or vice versa shall not be evaluated.***
- *Answer sheet(s) of Part 'A' and Part 'B' are not to be tagged together.*
- *Part 'A' and Part 'B' should be mentioned only on the covering page of the respective answer sheet(s).*
- *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.*

PART A

Write short notes on:

1. a) Significance of Platelet Indices in clinical Hematology. 5+5
   b) Apheresis - Indications and techniques.

2. a) What are plasma cell dyscrasias? 3+7
   b) Outline the investigations for diagnosis of multiple myeloma.

3. a) Genetic basis of myelodysplasia. 5+5
   b) Laboratory criteria for diagnosis of antiphospholipid syndrome.

4. a) Enumerate causes of primary & secondary polycythemia 3+3+4
   b) Lab diagnosis of polycythemia
   c) Gel Card technique and its applications in transfusion medicine.

5. a) Pathogenesis of hereditary spherocytosis. 4+6
   b) Evaluation and diagnostic approach in a case of microcytic hypochromic anaemia.

P.T.O.

POSSESSION / USE OF CELL PHONES OR ANY SUCH ELECTRONIC GADGETS IS NOT PERMITTED INSIDE THE EXAMINATION HALL.
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