

**PATHOLOGY**  
**PAPER-IV**

**Please read carefully the important instructions mentioned on Page '1'**

- Answers to questions of Part A and part B are to be strictly attempted in separate answer sheets and the main + supplementary answer sheets used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheets of Part B or vice versa shall not be evaluated.

**PART B**

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|-----|--|-----|
| 6.  | a) Fanconi anemia.   | 5+5 |
|     | b) Laboratory investigations of thrombophilia.   |     |
| 7.  | a) Role of autologous stem cell transplantation in hematological malignancies.                 | 5+5 |
|     | b) Hemophagocytic syndromes.   |     |
| 8.  | a) New diagnostic parameters in Hematology analyzers and their clinical significance.          | 5+5 |
|     | b) Apheresis.  |     |
| 9.  | a) Detection and prognostic implications of c-myc expression in diffuse large B-cell lymphoma. | 5+5 |
|     | b) International normalized ratio (INR).   |     |
| 10. | a) BRAF(V600E) mutations in hematological disorders.   | 5+5 |
|     | b) Sickle cell syndromes.  |     |

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