

**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 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.*

**PART B**

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|-----|--|-----|
| 6.  | a) Cytogenetics and Immunophenotyping of acute leukaemia.                                    | 6+4 |
|     | b) What is leukemoid reaction? How would you differentiate it from chronic myeloid leukemia? |     |
| 7.  | a) What is hemovigilance and its outcome?  | 5+5 |
|     | b) Newer diagnostic techniques for detection of Malaria.                                     |     |
| 8.  | Diagnostic approach to a patient with bleeding disorders.                                    | 10  |
| 9.  | a) Osmotic fragility test: Technique, indications and interpretation.                        | 5+5 |
|     | b) Significance of reticulocyte count.   |     |
| 10. | a) Role of Flow Cytometry in chronic lymphoproliferative disorders.                          | 6+4 |
|     | b) Differential diagnosis of Hairy cell Leukemia.  |     |

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