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## PATHOLOGY PAPER-IV

Time: 3 hours PATH/J/19/32/IV

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.	,	Algorithm to use of blood components therapy in bleeding disorders. Cord blood stem cells.	5+5
2.	,	Qualitative defects of platelets and their diagnosis. Hemophilia.	5+5
3.	,	Recent advances in Myelodysplastic syndrome diagnosis. Diagnostic criteria of light chain disease.	5+5
4.	,	TRALI. Diagnosis of microcytic anemias.	5+5
5.	,	Minimal residual disease monitoring in CML. Secondary autoimmune hemolytic anemia.	5+5
6.	•	Thrombin-activable Fibrinolysis Inhibitor (TAFI): An important contributor in the fibrinolytic system. Pathophysiology of bleeding in dengue virus infection: A Holistic view.	5+5
7.		Hepcidin. Thalassemia Screening & Control Program.	5+5
8.	,	Molecular pathology of germinal cell derived B cell lymphomas. Hemovigilance	5+5
9.	,	Therapeutic indications of various blood component. Absolute indications of bone marrow trephine biopsy & their diagnostic value.	5+5
10.	,	Quality control in hematology laboratory. Biomedical waste management in pathology laboratory.	5+5

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