

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) PUNE, INDIA

M.D. (PATHOLOGY): *Winter-2022*

**SUBJECT: PAPER-III: HEMATOLOGY, TRANSFUSION
MEDICINE AND LABORATORY MEDICINE**

Day: *Wednesday*

Date: *21-12-2022*

Time: *1:30 P.M. TO 4:30 P.M.*

Max. Marks:100

W-724-2022

N.B.:

- 1) **Q. No.1 and Q. No.2 are COMPULSORY.**
- 2) Attempt **ANY SEVEN** questions from **Q. No.3 to Q. No.10.**
- 3) Figures to the right indicate **FULL** marks.
- 4) Draw neat and labelled diagrams **WHEREVER** necessary.

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| Q.1 | Classify hemolytic anemia. Describe their laboratory diagnosis. | (15) |
| Q.2 | Enumerate causes of thrombocytopenia. Describe in detail platelet function disorders. | (15) |
| Q.3 | Describe the process of plasma apheresis and its applications in clinical practice. | (10) |
| Q.4 | Describe blood transfusion reactions and their lab diagnosis. | (10) |
| Q.5 | Classify chronic leukemias . Discuss diagnostic criteria and prognosis in chronic myeloid leukemia. | (10) |
| Q.6 | Enumerate plasma cell dyscrasias. Add a note on lab diagnosis of multiple myeloma. | (10) |
| Q.7 | Write a note on hairy cell leukemia. | (10) |
| Q.8 | Describe the method of estimation and importance of prothrombin time in monitoring effects of anticoagulant therapy. | (10) |
| Q.9 | Write a note on importance of microscopic examination of urine. | (10) |
| Q.10 | Write a note on body fluid examination. | (10) |

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