

**M.D. (Pathology) : SUMMER - 2019**

**SUBJECT: PAPER – IV: HEMATOLOGY, VIROLOGY & TRANSFUSION MEDICINE**

Day: Saturday  
Date: 08/06/2019

Time: 2.00 P.M. TO 5.00 P.M  
Max. Marks: 100

**S-2019-3804**

**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.
- 3) Draw diagrams **WHEREVER** necessary.

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|-------------|--|-------------|
| <b>Q.1</b>  | Discuss in brief plasma cell dyscrasias.   | <b>(15)</b> |
| <b>Q.2</b>  | Describe briefly pathology of JAK 2 mutation in hematological malignancies.        | <b>(15)</b> |
| <b>Q.3</b>  | Describe diagnostic approach to patient with bleeding disorder.                    | <b>(10)</b> |
| <b>Q.4</b>  | Write a note on normal human hemoglobin.   | <b>(10)</b> |
| <b>Q.5</b>  | Describe briefly pathology and laboratory diagnosis of hereditary spherocytosis.   | <b>(10)</b> |
| <b>Q.6</b>  | Write a note on pathogenesis and laboratory diagnosis of infectious mononucleosis. | <b>(10)</b> |
| <b>Q.7</b>  | Write a note on blood component storage.   | <b>(10)</b> |
| <b>Q.8</b>  | Write a note on Hemolytic disease of newborn.                                      | <b>(10)</b> |
| <b>Q.9</b>  | Describe pathogenesis of myelofibrosis.  | <b>(10)</b> |
| <b>Q.10</b> | Write a note on reticulocyte.  | <b>(10)</b> |

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