

**M.D. (PATHOLOGY) : SUMMER - 2018**

**SUBJECT: PAPER – IV: HAEMATOLOGY, TRANSFUSION MEDICINE, VIROLOGY,  
IMMUNOHAEMATOLOGY & RECENT ADVANCES**

Day: **Friday**  
Date: **08/06/2018**

**S-2018-3390**

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

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**N.B.:**

- 1) **Q. No. 1 and Q. No. 2 are COMPULSORY.**
  - 2) Attempt any **SEVEN** from **Q. No. 3 to Q. No. 10.**
  - 3) Figures to the right indicate **FULL** marks.
  - 4) Draw neat labelled diagrams **WHEREVER** necessary.
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- Q.1** Discuss the laboratory diagnosis of bleeding disorders. (15)
- Q.2** Classify acute leukaemias. Discuss the role of cytogenetics in acute leukaemias. (15)
- Q.3** Enumerate criteria for a blood donor. Write a note on autologous transfusion. (10)
- Q.4** Discuss hematopoietic stem cell transplantation. (10)
- Q.5** Describe classification and laboratory diagnosis of hemolytic anaemias. (10)
- Q.6** Enumerate viral hemorrhagic fevers. Write a note on laboratory diagnosis of Dengue fever with its prognostic parameters. (10)
- Q.7** Discuss antiphospholipid antibody syndrome. (10)
- Q.8** Describe investigations in suspected mismatched blood transfusions. (10)
- Q.9** Discuss the pathophysiology of Vit B<sub>12</sub> deficiency. (10)
- Q.10** Discuss criteria of diagnosis and monitoring of chronic myeloid leukaemia. (10)

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