

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

M.D. DEGREE EXAMINATION - July 2021

IMMUNOHEMATOLOGY AND BLOOD TRANSFUSION

**PART II - PAPER I: IMMUNOHEMATOLOGY, IMMUNOGENETICS
AND APPLIED SEROLOGY**

Time: Three hours

Maximum : 100 Marks

Answer ALL questions

SECTION - A

Write essays on :

(1 x 20 = 20)

1. Quality control of antisera used in blood banks.

Write short notes on :

(5 x 6 = 30)

2. Donath -Landsteiner antibody.
3. Lewis blood group system.
4. Extended red cell phenotyping and its importance.
5. Human neutrophil antigens.
6. Saliva testing for secretor status.

SECTION – B

Write essays on :

(1 x 20 = 20)

7. Adsorption and elution in immunohematology.

Write short notes on :

(5 x 6 = 30)

8. Polyagglutination.
9. Parentage testing.
10. Hardy- Weinberg law.
11. Sources of error in coombs test.
12. Biochemistry of Lewis antigens.
