

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

M.D. DEGREE EXAMINATION - October 2018

IMMUNO HAEMATOLOGY AND BLOOD TRANSFUSION

**PART II - PAPER I : IMMUNOHAEMATOLOGY, IMMUNO
GENETICS, APPLIED SEROLOGY**

Time: Three hours

Maximum : 100 Marks

Answer ALL questions

SECTION - A

Write essays on : **(1 x 20 = 20)**

1. Discuss human immunoglobulins structure, types and role in transfusion medicine.

Write short notes on : **(5 x 6 = 30)**

2. ISBT 128
3. HTLA
4. PCH
5. Polyagglutination
6. Paroxysmal nocturnal hemoglobinuria.

SECTION - B

Write essays on : **(1 x 20 = 20)**

7. Discuss pre-transfusion testing in detail.

Write short notes on : **(5 x 6 = 30)**

8. Rh null phenotype
9. Enzymes in red cell serology
10. Mendelian laws of inheritance
11. P blood group system
12. Indian blood group system.