

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

M.D. DEGREE EXAMINATION - May 2019

IMMUNOHAEMATOLOGY AND BLOOD TRANSFUSION

PART II - PAPER III: RECENT ADVANCES IN TECHNOLOGY

Time: Three hours

Maximum : 100 Marks

Answer ALL questions

SECTION - A

Write essays on : (1 x 20 = 20)

1. Discuss in detail about plasma fractionation.

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

2. Window period and residual risk of TTI.
3. Paternity testing.
4. Luminex .
5. Microarray.
6. Umbilical cord blood banking.

SECTION - B

Write essays on : (1 x 20 = 20)

7. Discuss total quality management in blood banking.

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

8. Proteomics.
9. Gene therapy.
10. Blood therapy.
11. Role of information technology in blood banking
12. Column agglutination technology in immunohematology.
