

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

**M.D. DEGREE EXAMINATION - May 2019**

**IMMUNOHAEMATOLOGY AND BLOOD TRANSFUSION**

**PART I - PAPER I: BASIC APPLIED ASPECTS RELATED TO  
TRANSFUSION MEDICINE**

Time: Three hours

Maximum : 100 Marks

**Answer ALL questions**

**SECTION - A**

**Write essays on :**

**(1 x 20 = 20)**

1. Write in detail about platelet structure, function , metabolism and preservation

**Write short notes on :**

**(5 x 6 = 30)**

2. Fibrinolytic pathway.
3. Iron metabolism.
4. Reticulocyte count.
5. Hemoglobin structure and function.
6. Thrombopoietin.

**SECTION - B**

**Write essays on :**

**(1 x 20 = 20)**

7. Describe lymphocyte subsets and their role in immune response.

**Write short notes on :**

**(5 x 6 = 30)**

8. Plasma volume expanders.
9. Granulocyte antigens.
10. Plasticizers in blood bags.
11. Bilirubin metabolism.
12. Red cell anticoagulants.

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