

**QP Code: 101108**

**Reg. No.:.....**

**PG Degree Supplementary Examinations in Transfusion Medicine (MD)  
October 2018**

**Paper I – Applied Aspects of Basic Sciences in Relation to Transfusion Medicine**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essay:**

**(20)**

1. Describe various subtypes of lymphocytes and their functions in immune response.  
Discuss the role of T lymphocytes in transfusion medicine.

**Short essays:**

**(8x10=80)**

2. Anaemia of chronic renal failure
3. Pathophysiology of hypovolemic shock and its management
4. Describe Mixed Lymphocyte Culture (MLC) test
5. Immunogenicity of blood group antigens
6. CFU-assay
7. Describe secondary immune response and its significance in transfusion medicine
8. Glycoprotein receptors of platelets and its applied aspects
9. Reticulocyte count

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