

# Rajiv Gandhi University of Health Sciences

**M D Degree Examination - MAY-2019**

**[Time: 3 Hours]**

**[Max. Marks: 100]**

## **TRANSFUSION MEDICINE**

### **PAPER – II-Immunohaematology, immunogenetics and Applied Serology (Including Molecular Biology and HLA)**

**Q.P. CODE: 9186**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

**Answer All The Questions**

**10 X 10 = 100 Marks**

1. Discuss the guidelines on antenatal blood grouping and antibody screening.
2. Describe the principles and applications of solid phase blood group serology.
3. Write a short note of Kidd blood group system.
4. How do you approach to a case of Auto Immune Hemolytic Anemia requiring blood transfusion?
5. Discuss the approach to patient with refractoriness to random donor platelet concentrate transfusions.
6. Compare and contrast Conventional Tube Test (CTT) and Column Agglutination Test (CAT) in immunohaematology.
7. Describe the principle of methods used in HLA typing.
8. Discuss the role of blood grouping in paternity testing.
9. Discuss the role of lectins in immunohematology.
10. Discuss the factors influencing the antigen antibody reaction.

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