

Rajiv Gandhi University of Health Sciences

M.D Degree Examination - MAY-2019

[Time: 3 Hours]

[Max. Marks: 100]

TRANSFUSION MEDICINE

Recent advances and Technology - PAPER – IV

Q.P. CODE: 9188

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 factors affecting hematopoietic stem cell mobilization and apheresis in allogenic donors.
2. Write a short note on Nano-filtration.
3. Discuss the factors affecting the blood cell derived extracellular vesicle formation and its importance in transfusion practice.
4. Discuss the components of patient blood management in critical care unit.
5. Describe the principle of next generation sequencing and its applications in Transfusion Medicine.
6. Write a short note on emerging infectious disease and blood safety.
7. Discuss the collection, processing and storage of umbilical cord stem cells.
8. Discuss the role of Omics technologies and the quality issue in blood banking.
9. Discuss the principles of ethics in transfusion medicine.
10. Describe the mechanism of action of recombinant F VIIa and indications for its administration.

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