



**Answer All The Questions**

**10 X 10 = 100 Marks**

1. Clinical application of dendritic cells in cancer vaccination therapy.
2. Extracorporeal photopheresis.
3. Markov model to predict the future blood supply and demand.
4. TRALI risk mitigation strategies.
5. Fluorescent microsphere-based immunoassay.
6. Design an emergency blood management plan for your hospital to be activated when outbreak of Dengue has reduced 50% stocks in the blood bank?
7. Peripheral blood stem cells harvesting and its preservation.
8. Noninvasive prenatal diagnosis of fetal blood grouping.
9. KODE Technology in transfusion medicine.
10. What are the various blood substitutes? Discuss the current status of various red cell substitutes.

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