

Q.P Code

Reg. No.

PG Degree Regular/Supplementary Examinations in Immunohematology and Blood Transfusion (M.D)

PAPER IV – Recent advances in the subject, Regulatory requirements, Quality management system, Information management, Automation

Time : Three Hours

Maximum : 100 Marks

Essay:

(20)

1. Elaborate on Regenerative Medicine and role of Transfusion Medicine specialist in cellular and biomaterial therapies.

Short Essays

(8 x10 = 80)

2. Describe the possible role of Machine learning and Artificial Intelligence in Transfusion Medicine.
3. CAR -T cell Therapy.
4. Platelet derived biological products.
5. Human mesenchymal stem cells (hMSCs).
6. Rationale and advantage of Multicomponent collection.
7. Gene editing and its potential for therapeutics.
8. Luminex platform and its applications.
9. Rare blood donor registry