

**PAPER CODE: 1093**

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES  
WARANGAL, TELANGANA STATE – 506 002**

**M.D/ M.S DEGREE SUPPLEMENTARY EXAMINATIONS: Oct/ Nov, 2023**

**TRANSFUSION MEDICINE**

**PAPER – IV**

**(RECENT ADVANCES IN TRANSFUSION TECHNOLOGY AND HAEMOTHERAPY)**

**Time: 3 Hours**

**Max Marks: 100**

**Note:** Answer all questions

Give Diagrammatic representation wherever necessary

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**Write an essay on the following:**

**10 X 10 = 100**

1. Computer cross-match.
2. Platelet derived growth factors and their clinical uses.
3. Current status of cultured red cells.
4. Microarray technology and its potential application in transfusion medicine.
5. Evidence based transfusion of red cells.
6. Current concepts in pathogenesis of transfusion related acute lung injury.
7. Hematopoietic stem cells mobilisation strategies.
8. Current status of gene therapy for haematological disorders.
9. Role of external quality assurance programmes to improve transfusion services.
10. Principles of patient blood management.

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