



RAN-2406121601010504

M. D. (Immuno Haematology and Blood Transfusion)

Examination September - 2025

Paper - IV (Set - 1)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

M. D. (Immuno Haematology and Blood Transfusion)

Name of the Subject :

Paper - IV (Set - 1)

Subject Code No.: **2406121601010504**

Seat No.:

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Student's Signature

(2) Answer all questions.

(3) Draw diagrams wherever necessary.

Q. 1. Discuss the National Hemovigilance Program of India and ways to improve it

a. Describe a plan to establish a EQAS program for hemoglobin testing **(15+10)**

Q. 2. Role of immunomodulation in organ transplant and tumour treatment

a. CAR T cell therapy **(15+10)**

Q. 3. Write short notes on any five **(5×10)**

a. Donor lymphocyte infusion

b. Venom induced Consumptive Coagulopathy versus Disseminated Intravascular Coagulation

c. Types of Dendritic cell and its function

d. Human platelet lysate

e. Microparticles in transfusion therapy and as storage lesions

f. New technologies in preventing mismatch transfusion