

2403230202040003
EXAMINATION FEBRUARY-MARCH 2024
POSTGRADUATE DIPLOMA IN MEDICAL LABORATORY
TECHNOLOGY. (SECOND SEMESTER)
IMMUNOHEMATOLOGY AND HISTO-CYTOLOGY
(THEORY) - LEVEL 4 PGDMLT - 2004 A

[Time: As Per Schedule]

[Max. Marks:70]

Instructions:

- 1. 1. Fill up strictly the following details on your answer book**
 - a. Name of the Examination : **POST GRADUATE DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY (SECOND SEMESTER)**
 - b. Name of the Subject: **IMMUNOHEMATOLOGY AND HISTO-CYTOLOGY (THEORY) - LEVEL 4 PGDMLT - 2004 A**
Subject Code No: **2403230202040003**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Answer in short [Any Seven]:

14

- 1) What is forward grouping?
- 2) Enlist other 3 blood group systems
- 3) Enlist the mandatory screening test for blood donor
- 4) What is cryoprecipitate? State its use
- 5) Why is the compatibility testing called cross matching?
- 6) State the use of AHG?
- 7) Give full form of FNAC. State its clinical significance.
- 8) H & E staining uses which dye? State its role

Q.2 Answer in brief [Any Two]:

14

- 1) ABO blood grouping system
- 2) Justify: Rh grouping by tube technique is more preferable.
- 3) Which are the other blood group systems? Discuss any 1 in detail.

Q.3 Answer in brief [Any Two]: **14**

- 1) Explain - FFP and platelet concentrate
- 2) Discuss screening of donor for blood donation. Which criteria are to be checked?
- 3) Which are the tests mandatory before blood donation? Discuss any 1 in detail

Q.4 Write a short note on [Any Two]: **14**

- 1) Major and minor cross matching
- 2) HDN
- 3) Transfusion reactions

Q.5 Answer in brief [Any Two]: **14**

- 1) Microtomes and their use
- 2) FNAC
- 3) Discuss wax impregnation and embedding.
