

QP Code:104110

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Pathology  
(MD) January 2025**

**Paper IV - Recent Advances and Applied Aspects**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay:**

**(20)**

1. Discuss the principle and technical aspects of electron microscopy and its role in the diagnosis of glomerulonephritis.

**Short Essays:**

**(8x10=80)**

2. Graft versus host disease
3. Diagnostic challenges in fine needle aspiration cytology of the salivary gland
4. Minimal residual disease in hematologic malignancies
5. Digital pathology – Advantages and limitations
6. Recent updates in the classification of central nervous system tumours
7. Applications of endomyocardial biopsies
8. External quality assurance in hematology
9. Chromogenic in situ hybridisation (CISH)

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