

QP Code:104110

Reg. No.:.....

**PG Degree Supplementary Examinations in Pathology (MD)
July 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. Etiopathogenesis and pathology of squamous cell carcinoma of the vulva and its precursor lesions

Short Essays: (8x10=80)

2. Haemopoietic stem cell transplantation – Indications, pre-assessment and complications
3. Medicolegal issues in pathology laboratory practice
4. The Bethesda System of reporting thyroid cytopathology
5. Next generation sequencing – Principle and its diagnostic applications
6. Role of artificial intelligence in pathology
7. Molecular classification of carcinoma breast
8. Improving efficiency and quality in surgical pathology specimen grossing
9. Laboratory diagnosis of *Entamoeba histolytica* with a note on recent advances
