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RAN-2406120601010504

M.D. (Pathology) Examination April - 2025

Recent Advances in Pathology - (Paper - IV)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

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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. (Pathology)

Name of the Subject :

Recent Advances in Pathology - (Paper - IV)

Subject Code No.: **2406120601010504**

Seat No.:

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Student's Signature

- (2) All questions are compulsory.
- (3) Write Legibly
- (4) Figures to the right indicate full marks.

Q-1 Discuss the role of next-generation sequencing (NGS) in the diagnosis of hematological malignancies. **(20 Marks)**

Q-2 Discuss the utility of cell block technique in the molecular analysis of cytological specimens. **(20 Marks)**

Q-3 **Write Short Notes on each** **(60 Marks)**

- a) Bioterrorism.
- b) BRAF mutations & associated tumors.
- c) Cystic tumors of kidney.
- d) Quality Assurance in histopathology.
- e) Digital Pathology
- f) DNA Microarray