



RAN - 2106120501040001

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**M. D. Examination October - 2023**

**Pathology : Paper - IV**

**Recent Advances in Pathology**

**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:  
☛

Name of the Subject :  
☛

Subject Code No.:

Seat No.:

Student's Signature

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

- Q. 1.** Discuss the various classifications of Epithelial Neuroendocrine Neoplasia. **(25)**
- Q. 2.** Discuss Intraductal carcinoma of the Prostate. **(25)**
- Q. 3.** Write notes on : **(13 + 12 = 25)**  
a) Describe Fluorescent-in-situ Hybridization (FISH) with its diagnostic importance.  
b) Discuss clinical significance of Cytogenetics.
- Q. 4.** Write notes on : **(13 + 12 = 25)**  
a) Stem cells and Regenerative Medicine.  
b) Microsatellite instability.