

**PATHOLOGY****PAPER-II**Time: 3 hours  
Max. Marks:100

PATH/D/20/32/II

**Important Instructions:**

- *You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.*
- *Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.*
- *No additional supplementary answer sheet booklet will be provided.*
- *Attempt all questions in order.*
- *Each question carries 10 marks.*
- *Read the question carefully and answer to the point neatly and legibly.*
- *Do not leave any blank pages between two answers.*
- *Indicate the question number correctly for the answer in the margin space.*
- *Answer all the parts of a single question together.*
- *Start the answer to a question on a fresh page or leave adequate space between two answers.*
- *Draw table/diagrams/flowcharts wherever appropriate.*

**Write short notes on:**

1. Discuss the role of ancillary techniques in fluid cytology. 10
2. Evaluation of predictive immunohistochemical markers in non-small cell carcinoma lung. 10
3. Recent advances in diagnosis of male infertility. 10
4. Discuss in detail the utility of Squash cytology in diagnosis of CNS lesions. Describe the limitations of this technique. 10
5. Role of brush cytology in diagnosis of oral cancerous and precancerous lesions. 10
6. a) Use of cryostat in pathology. 5+5  
b) Minimal residual disease.
7. Discuss quality assurance in histopathology laboratory. How will you reduce turnaround time in surgical pathology reporting. 10
8. a) Direct gene diagnosis. 5+5  
b) Staining methods to demonstrate amyloid protein.
9. Diagnostic utility of cell block preparation in FNAC of thyroid lesions. 10
10. Role of tissue microarray in diagnostic pathology. 10

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