

PATHOLOGY
PAPER-II

PATH/J/18/32/II

Time: 3 hours

Max. Marks:100

Important Instructions:

- 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:

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|-----|---|-----|
| 1. | a) Paris system of reporting in Urinary cytology.
b) Genomic imprinting | 5+5 |
| 2. | a) Microalbuminuria and its detection.
b) Significance of HbA1c estimation. | 5+5 |
| 3. | a) Immunofluorescence and its application in glomerular diseases.
b) Principle of Fluorescence In-Situ Hybridization (FISH) & its application in solid tumours. | 5+5 |
| 4. | a) Serum tumour markers and their significance.
b) Role of enzyme histochemistry in muscle biopsy. | 5+5 |
| 5. | a) Molecular subtyping of embryonal brain tumours.
b) Markers in lung carcinoma with respect to newer classification and treatment. | 5+5 |
| 6. | a) Processing of fluids for cytological examination.
b) Morphological and immunochemical markers in the differential diagnosis of mesothelioma and adenocarcinoma in fluids. | 5+5 |
| 7. | a) Limitation of FNAC of thyroid nodule.
b) Utility of Endobronchial Ultrasound(EBUS) guided FNAC | 5+5 |
| 8. | a) Diagnostic approach to atypical glandular cells in cervical smear.
b) Microsatellite instability in Cervical Cancer. | 5+5 |
| 9. | a) Current understanding in the pathology of hydatidiform moles.
b) Molecular classification of breast cancer. | 5+5 |
| 10. | a) Role of molecular markers to categorize soft tissue sarcomas.
b) Role of immunohistochemistry in problematic prostate biopsy. | 5+5 |

