

PATHOLOGY
PAPER-IITime: 3 hours
Max. Marks:100

PATH/J/19/32/II

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:

1. a) Serum PSA estimation. 5+5
b) Liquid based cytology.
2. a) Molecular classification of breast cancer. 6+4
b) Role of molecular classification in patient management of breast cancer.
3. a) BRAF V600E in thyroid cancer. 5+5
b) PD-L1 in cervical cancer.
4. a) Interpretation of rapid diagnostic tests for malaria. 5+5
b) CAR -T cells.
5. a) Immunological tolerance. 5+5
b) Urine biomarkers in renal transplant rejection.
6. a) Non-small cell lung cancer – changes in biomarker era. 5+5
b) Targeted therapy in cancer.
7. a) Proteomics in diagnostic pathology. 5+5
b) Laser capture microdissection.
8. a) IgG4 related disease. 5+5
b) Limitations of FNAC in thyroid lesions.
9. a) Point of care testing in infectious disease. 5+5
b) Nano diagnostics.
10. a) PCR in soft tissue tumours. 5+5
b) Differential diagnosis of adenocarcinoma versus reactive mesothelial cells in effusions.
