

PATHOLOGY
PAPER - I

PATH/D/13/32/I

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.

1. a) Describe pathology of uterine cervical cancer. 4+3+3
b) Differentiate between in situ and microinvasive carcinoma of uterine cervix.
c) Enumerate morphological variants of cervical adenocarcinoma.
2. a) Discuss differential diagnosis and investigative profile of granulomatous inflammation observed in biopsy from breast. 5+5
b) Describe gross, microscopic features and prognostic factors in medullary carcinoma of breast.
3. a) Discuss the differential diagnosis of lymphoproliferative lesions of the skin. 4+3+3
b) Describe the histopathology of Lichen planus.
c) Describe the histopathology of psoriasis.
4. a) Describe protocol for lymph node biopsy submission to laboratory and its processing for conventional histopathology, bacteriological examination, electron microscopy and immunophenotyping. 6+4
b) Describe clinicopathological features of Kikuchi disease.
5. a) Discuss the small round cell tumours of bone including the role of immunohistochemistry. 6+4
b) Describe the morphology of organs involved in rheumatoid arthritis.
6. a) Describe the aetiopathogenesis, gross and microscopic features of cerebral infarct. 5+5
b) Describe the neurologic sequelae of metabolic and nutritional disturbances.
7. a) Define and classify emphysema. Add a note on its pathogenesis. 7+3
b) Describe the morphology in Bronchiectasis.
8. a) Describe the evolution of morphologic changes in myocardial infarction and its lab diagnosis. 7+3
b) Describe brief aortic valvular lesions.
9. a) Describe the molecular pathogenesis in colorectal carcinoma. 6+4
b) Describe the gastrointestinal manifestations in AIDS.
10. a) Describe the pathogenesis and clinical course of acute tubercular necrosis. 5+5
b) Describe immunohistochemical and molecular genetic features of carcinoma prostate.
