

PATHOLOGY**PAPER – II**

Time : 3 hours

PATH/D/17/32/II

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:

- a) Role of immunohistochemistry in differential diagnosis of small round cell tumours. 5+5
 - b) Urine cytology in renal transplantation.
- a) Role of cardiac biomarkers in diagnosis and risk stratification of ischaemic heart disease. 5+5
 - b) Role of ancillary techniques in diagnosis of granulomatous inflammations.
- a) Recent advances in tissue processing techniques. 5+5
 - b) Lab monitoring of a patient with diabetes mellitus.
- a) Compare the advantages and disadvantages of liquid based cytology v/s conventional papanicolaou stain in gynaecologic cytology. 5+5
 - b) Role of flow cytometry in diagnostic cytology of body fluids.
- a) Quality assurance in urine examination. 5+5
 - b) Evaluation of endometrium in infertility.
- a) Cytologic diagnosis of bronchogenic carcinoma 5+5
 - b) Lab accreditation in histopathology
- a) Therapeutic targets of lung cancer. 5+5
 - b) Epigenetic alterations in neoplasia.
- a) Reporting guidelines for hormone receptor in carcinoma breast. 5+5
 - b) Role of histopathology in diagnosis of infectious diseases.
- a) Genetic basis of thalassemia. 5+5
 - b) Applications and pitfalls of image morphometry
- a) Spectral karyotyping 5+5
 - b) Amniotic fluid investigations in fetal diseases.