

PATHOLOGY

PAPER – II

PATHO/APRIL/32/40/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:

1. a) Newer techniques used in cervical cancer detection. 5+5
b) Liquid based cytology: Principle, advantages & disadvantages.
2. a) Significance of markers in breast cancer management. 5+5
b) Various rapid stains and their uses.
3. a) List various laboratory tests for viral infections with examples. 5+5
b) Role of immunocytochemistry in cytodagnosis and prognosis.
4. a) Amniotic fluid examination: indications and contraindications. 5+5
b) Normal and abnormal parameters of amniotic fluid and their interpretations.
5. a) High Performance Liquid Chromatography (HPLC) and its applications. 6+4
b) 5q deletion syndrome.
6. a) Telepathology & its components. 2+4+4
b) Advantages and disadvantages of telepathology.
c) Guidelines of telepathology.
7. a) Role of immunofluorescence in diagnosis of glomerular lesions. 5+5
b) Diagnostic approach to a patient suffering from jaundice.
8. a) Role of urinary sediment cytology in diagnosis of various diseases. 5+5
b) Newer markers in lung cancer with regard to targeted therapy.
9. a) Bethesda system of reporting thyroid lesions. 5+5
b) Applications, approach, advantages, and disadvantages of guided FNAC.
10. a) Role of cytology of nipple discharge in breast lesions. 5+5
b) Next generation sequencing.
