

**PATHOLOGY**

**PAPER - III**

PATH/D/13/32/III

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.  | Role of cytology in the evaluation of lung neoplasms.   | 10  |
| 2.  | a) Laboratory evaluation of osteoporosis<br>b) Serum free light chain assay                                       | 5+5 |
| 3.  | Pathogenesis and significance of dyslipidemia.  | 6+4 |
| 4.  | a) Laboratory evaluation of complications of diabetes mellitus<br>b) Techniques for HPV Testing                   | 5+5 |
| 5.  | Discuss differential diagnosis of mediastinal masses. Describe their cytological features.                        | 3+7 |
| 6.  | a) Use of reagent strips in urine examination<br>b) Quality control in cytology laboratory                        | 5+5 |
| 7.  | a) Semen analysis<br>b) Pitfalls in diagnosis of HSIL on PAP smear  | 5+5 |
| 8.  | Discuss the tests for diagnosis and monitoring of patients with HIV infection.                                    | 5+5 |
| 9.  | a) Laboratory diagnosis of obstructive jaundice.<br>b) Automated ESR  | 5+5 |
| 10. | a) Laboratory diagnosis of dengue<br>b) Laboratory approach for investigating a patient with recurrent abortions. | 5+5 |

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