

PATHOLOGY

PAPER –III

PATHO/J/13/32/III

Time : 3 hours

Max. Marks : 100

Attempt all questions in order.
Each question carries 10 marks.

1. What is the principle and technology of liquid based cytology? What are its advantages and diagnostic pitfalls? 6+4
2. Discuss the role of FNAC in the diagnosis of various thyroid tumours. 10
3. Give the method of processing of broncho-alveolar lavage (BAL) fluid for cytology. Describe the cytology of specific diseases effectively diagnosed by BAL cytology. 5+5
4. Discuss the pathogenesis of carcinoma of uterine cervix. What are the low and high risk HPVs. Describe various techniques for testing HPV. 3+2+5
5. What is Microalbuminuria? Describe the various methods for testing for Microalbuminuria and what is its significance? 3+3+4
6. Describe the aetiopathogenesis of chronic liver failure. Enlist various liver function tests and detail the ones which would be useful in diagnosis of chronic liver failure. 5+5
7. Write short notes on: 5+5
 - a. Bone changes in chronic renal failure.
 - b. Laboratory parameters in a case of myocardial infarction.
8. Enlist the various causes of malabsorption syndrome. How is the clinical, laboratory and pathologic evaluation of malabsorption syndrome done? 5+5
9. Describe the role of cytology in the evaluation of hormonal status. What are the techniques and indices used? 2+(4+4)
10. Describe the techniques used in evaluation of the urinary cytology. What are their specific uses in renal transplantation and urinary tract malignancies? 3+(4+3)
