

FINAL EXAM
 DECEMBER 2015

NATIONAL BOARD OF EXAMINATIONS

PATHOLOGY
PAPER – II

PATH/D/15/32/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) Acute Phase Proteins.	3
	b) Role of cytogenetic studies in diagnosing human diseases.	7
2.	a) Microarray techniques in breast malignancies.	5
	b) Polarising Microscopy and its application in Pathology practice.	5
3.	a) Role of testicular FNAC in infertility.	5
	b) Methods of processing of cytology samples for immunohistochemistry/Immunocytochemistry.	5
4.	a) Automation in urine analysis including its microscopic evaluation.	5
	b) Emerging infectious diseases.	5
5.	a) Latent viral infections and their laboratory diagnosis.	5
	b) Advantages and limitations of liquid based cytology techniques.	5
6.	a) Automation in evaluation of ESR.	4
	b) Cytological evaluation of cutaneous nodules.	6
7.	a) Methods for cytological intra-operative diagnosis; their indications and limitations / advantages.	5
	b) Cytological evaluation of intra-oral lesions.	5
8.	a) C.T. guided FNAC of pancreas.	5
	b) Differentiating features between hepatocellular carcinoma from metastasis on FNAC of hepatic nodules.	5
9.	a) Telecytology	5
	b) Chemiluminiscence and its role in diagnostic medicine	5
10.	a) Causes of lymphocyte rich CSF and their laboratory diagnosis.	5
	b) Diagnostic significance of tumour markers.	5
