

FINAL EXAM
DECEMBER 2016

NATIONAL BOARD OF EXAMINATIONS

PATHOLOGY**PAPER – II****Please read carefully the important instructions mentioned on Page '1'**

- *Answers to questions of Part 'A' and Part 'B' are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.*
- *Answers to questions of Part 'A' attempted in answer sheet(s) of Part 'B' or vice versa shall not be evaluated.*

PART B

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| 6. | a) How will you investigate a case of male infertility?
b) Enumerate various methods for analysis of cell proliferation.
c) Diagnostic and prognostic application of AgNOR. | 5+3+2 |
| 7. | a) Fixation and processing of biopsy for electron microscopy.
b) Specific diagnostic role of electron microscopy in tumor pathology.
c) Limitations of electron microscopy. | 3+5+2 |
| 8. | a) Role of enzymes as tumor markers.
b) Role of immunohistochemistry in classification of Lung carcinoma. | 4+6 |
| 9. | a) Enumerate various types of mucins and histochemical stains used for specific demonstration of each type.
b) Role of bronchial brushing, bronchial washing and broncho-alveolar lavage in diagnosis of pulmonary lesions. | 5+5 |
| 10. | a) Disposal of biomedical waste.
b) Amniocentesis in prenatal diagnosis. | 5+5 |
