

**PATHOLOGY**

**PAPER – III**

PATHO/APRIL/16/32/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. a) Placental pathology in hypertensive diseases of pregnancy. 5+5  
b) Molecular genetics of colonic cancer.
2. a) Lab diagnosis of myocardial infarction. 5+5  
b) Diabetic nephropathy - its pathogenesis, morphology & diagnosis.
3. a) Role of immunohistochemistry of bone tumors. 5+5  
b) Role of H.pylori in pathogenesis of gastric disease.
4. a) Define nonalcoholic fatty liver disease (NAFLD) and its components. 3+7  
b) Pathogenesis, morphology and diagnosis of NAFLD.
5. a) Define Acute Respiratory Distress Syndrome. Give its pathogenesis and morphological features. 7+3  
b) Heat shock proteins.
6. a) Pigmented tumors of skin. 5+5  
b) Pathology of Alzheimer's disease.
7. a) Differential diagnosis of epithelial/myoepithelial proliferations of salivary glands. 5+5  
b) Granulomatous lesions of thyroid.
8. a) Histological predictors in chronic ulcerative colitis. 5+5  
b) Gastrointestinal endocrine tumors - morphological, histochemical & ultrastructural changes.
9. a) Enumerate hormone secreting tumors. 3+7  
b) Give differentiating features of various ovarian hormone producing neoplasms.
10. a) Name various smooth muscle proliferations of uterus and their diagnostic morphological features. 4+3+3  
b) Classification and pathogenesis of germ cell tumors.  
c) Morphology of endodermal sinus tumor.

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