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 tables/diagrams/flowcharts wherever appropriate.

1. a) Classify cystic diseases of kidney.  
b) Describe the pathogenesis and morphology of adult polycystic kidney disease.  

2. a) Pathogenesis and pathology of ischemic enterocolitis.  
b) Define pneumoconiosis. Discuss pathogenesis and morphology of silicosis.

3. a) Discuss pathogenesis and morphology of Paget's disease of bone.  
b) WHO classification of medulloblastoma.

4. a) Role of histochemistry, immunohistochemistry, electron microscopy and molecular genetics in diagnosis of malignant mesothelioma.  
b) Describe histopathology and diagnosis of chronic H. pylori gastritis.

5. a) Classify jaw tumors. Give the morphology of ameloblastoma.  
b) Role of non-invasive markers in diagnosis, grading and staging of non-alcoholic fatty liver disease.

b) Variants of papillary carcinoma of thyroid.

7. a) Give a schematic summary of natural history, morphology and pathogenesis of atherosclerosis.  
b) Extragonadal germ cell tumours.

8. a) Morphological and immunohistochemical evaluation of neuroendocrine tumours of lung.  
b) WHO classification of lupus nephritis with clinicopathologic correlation.

9. a) Prognostic parameters of carcinoma breast.  
b) Causes and approach to diagnosis of male infertility.

10. a) Histogenesis, morphology and prognostic parameters, of gastrointestinal stromal tumours.  
b) Mucinous neoplasms of pancreas.