Write short notes on:

1. a) Placental pathology in hypertensive diseases of pregnancy. b) Molecular genetics of colonic cancer.
2. a) Lab diagnosis of myocardial infarction. b) Diabetic nephropathy - its pathogenesis, morphology & diagnosis.
3. a) Role of immunohistochemistry of bone tumors. b) Role of H.pylori in pathogenesis of gastric disease.
4. a) Define nonalcoholic fatty liver disease (NAFLD) and its components. b) Pathogenesis, morphology and diagnosis of NAFLD.
8. a) Histological predictors in chronic ulcerative colitis. b) Gastrointestinal endocrine tumors - morphological, histochemical & ultrastructural changes.
9. a) Enumerate hormone secreting tumors. b) Give differentiating features of various ovarian hormone producing neoplasms.
10. a) Name various smooth muscle proliferations of uterus and their diagnostic morphological features. b) Classification and pathogenesis of germ cell tumors. c) Morphology of endodermal sinus tumor.