Write short notes on:

1.
   a) What is Barrett’s esophagus?  
   b) Pathogenesis, morphology and diagnostic criteria of Barrett’s esophagus.  
   
2.
   a) Enumerate major glomerular syndromes.  
   b) Immune mechanism of glomerular injury.  
   c) Glomerular pathology in Rapidly Progressive Glomerulonephritis.  
   
3.
   a) Classify Gestational Trophoblastic Diseases (GTD).  
   b) WHO Prognostic Index Score for GTD.  
   c) Pathogenesis and morphology of hydatidiform mole.  
   
4.
   a) Differential diagnosis of small round cell tumours based on immunohistochemical, ultrastructural and cytogenetic analysis.  
   b) Differential diagnosis of cutaneous lymphoid infiltrates.  
   
5.
   a) Giant cell lesions of bone.  
   b) Autoimmune thyroiditis – Pathogenesis, types and complications.  
   
6.
   a) Role of markers in diagnosis of soft tissue sarcomas.  
   b) Tabulate major causes of neonatal cholestasis.  
   c) Morphological features of neonatal hepatitis.  
   
7.
   a) Define and classify congenital myopathy.  
   b) Describe their symptoms, risk factors and pathogenesis  
   
8.
   a) Classify brain tumours.  
   b) Molecular genetics associated with astrocytic tumours.  
   c) Pathogenesis and morphology of dilated cardiomyopathy.  
   
9.
   a) Hypersensitivity pneumonitis.  
   b) Intraocular lymphoma.  
   
10.
   a) Enumerate the vasculitides.  
   b) Electron microscopic, immunohistochemical and morphological features of thymoma.