Write short notes on:

1. a) Mesothelial lesions and their diagnostic approach.  
   b) Role of enzyme histochemistry & immunohistochemistry in muscle biopsies.  
   5+5

2. a) Role of immunohistochemistry in diagnosis of gynaecological malignancies.  
   b) Pathology of cardiomyopathies.  
   5+5

3. a) Aetiopathogenesis of IgA nephropathy.  
   b) Bullous lesions of skin.  
   5+5

4. a) Molecular classification of breast carcinoma.  
   b) Tuberculoma.  
   5+5

5. a) Cutaneous lymphomas and pseudolymphomas.  
   b) Dermal changes in leishmaniasis.  
   5+5

6. a) Neonatal enteropathies.  
   b) Prostatic intra-epithelial neoplasia.  
   5+5

7. a) Pulmonary alveolar proteinosis.  
   b) Nanoparticle and their role in therapy.  
   5+5

8. a) Immunopathology of rheumatoid arthritis.  
   b) Osteodystrophy.  
   5+5

9. a) Pathogenesis of demyelinating diseases of CNS.  
   b) Libman-Sacks endocarditis.  
   5+5

10. a) Genetic mutations in thyroid cancer.  
    b) Pathogenesis of drug and toxin induced liver disease.  
    5+5

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