Write short notes on:

1. Breath tests in Gastroenterology: Applications, principle & limitations.  \[4+3+3\]

2. Post infectious Irritable Bowel Syndrome (IBS): Risk factors, pathogenesis & management.  \[3+4+3\]

3. a) Pathogenesis of reactivation of TB following usage of Biological therapy for Inflammatory Bowel Disease (IBD).  \[5\]  
b) Approach to patient with latent TB in a patient being considered for biological therapy for refractory IBD.  \[5\]

4. a) FODMAP’s intervention approach for functional GI disorders.  \[5\]  
b) Eosinophilic esophagitis: Clinical presentation and management.  \[5\]

5. Management of peri-anal disease in patients with Crohn’s disease.  \[10\]

6. a) Articular manifestations in patients with IBD: Classification, clinical presentation and management.  \[(1+2+2)+5\]  
b) Adverse events of immunomodulators used in IBD.  \[5\]

7. a) Enteropathy associated T Cell Lymphoma in Celiac disease.  \[5\]  
b) Approach to diarrhoea in a patient with HIV and CD4 count ≤ 150.  \[5\]

8. a) Guidelines for endoscopic disinfection and reprocessing.  \[5\]  
b) Biofeedback therapy for defecatory disorders.  \[5\]

9. a) Neuro-endocrine tumors of the Foregut.  \[5\]  
b) Cholangioscopy: Techniques and utility.  \[5\]

10. a) Post operative recurrence of Crohn’s disease: Grading of severity and management.  \[5\]  
b) Very early onset IBD.  \[5\]