1. a) Anatomy and physiology of epididymis.  
    b) Surgical methods which are used for vasectomy reversal.  

2. a) Embryological basis of complete duplication of ureter.  

3. a) Benign tumors of the kidney.  
    b) Macroscopic and microscopic features of oncocytoma.  

4. a) Principles of Doppler Ultrasonography.  
    b) Uses of Doppler Ultrasonography in Urological practice.  

5. a) Enumerate xanthine oxidase inhibitors.  
    b) Pharmacokinetics, pharmacodynamics, dosage and side effects of allopurinol.  

6. a) Natural defense mechanisms against UTI.  
    b) Physiological changes in urinary tracts during pregnancy.  

7. a) Risk factors of emphysematous pyelonephritis.  
    b) Prognostic indicators in emphysematous pyelonephritis.  

8. Types, pathophysiology and management of primary hyperoxaluria.  

9. a) Enumerate the urological injuries associated with fracture of the pelvis.  
    b) Diagnosis and management of extraperitoneal rupture of urinary bladder.  

10. Double blind randomized trial.