Write short notes on:

1. Discuss the cross match test used in renal transplant under following heads:
   a) Techniques used for cross match.
   b) Interpretation of a cross match test.
   c) Agents used for desensitization.

2. a) Outline the CMV prophylaxis protocol in post renal transplant.
    b) Diagnosis and management of BK virus infection in post renal transplant.


4. a) Diagnosis and management of CAPD peritonitis.
    b) Intradialytic hypertension during hemodialysis.

5. Briefly outline management of:
   a) Tunneled central haemodialysis catheter malfunction.
   b) Nephrogenic systemic fibrosis.

6. Pathogenesis, diagnosis and management of High Turnover Bone Disease in CKD.

7. a) Management of uremic bleeds.
    b) Prevention of contrast induced nephropathy.
    c) Dialysis related amyloidosis.

8. Discuss primary vesico-ureteric reflux under following heads:
   a) Classification and clinical presentation.
   b) Diagnosis.
   c) Management.