Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) Limitation of KDIGO classification of chronic kidney diseases.  
   b) KDIGO composite staging of acute kidney injury.  
   5+5  
2. a) Management of Calciphylaxis.  
   b) Treatment of uraemic pruritus.  
   6+4  
3. a) Bosniak renal cysts classification  
   b) Ultrasound based diagnostic criteria of ADPKD.  
   c) Indications of Tolvaptan use in ADPKD.  
   3+3+4  
4. a) Hypoxia inducible factor.  
   b) Fibroblast growth Factor 23.  
   6+4  
5. a) URR & Kt/V.  
   b) Assessment of adequacy of AV fistula for haemodialysis.  
   6+4  
6. a) Role of ACE inhibitors / ARBS in chronic kidney disease.  
   b) Preprobiotics in CKD  
   c) Role of dietary protein restriction in CKD.  
   2+4+4  
7. a) Residual renal function.  
   b) When to initiate a patient on chronic maintenance dialysis.  
   6+4  
8. a) Acceptable GFR in living donors.  
   b) Acceptability of donors with history of malignant disease.  
   c) Long-term outcome of live kidney donors.  
   2+2+6  
9. a) Enumerate the methods available to assess human hemocyte sensitization.  
   b) How will you proceed to desensitization?  
   6+4  
10. a) Transplant glomerulopathy.  
    b) CMV prophylaxis protocol post renal transplant.  
    5+5  

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