NEPHROLOGY
PAPER – II

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. Discuss thrombotic microangiopathy (TMA) under following heads:
   a) Classical histology and laboratory abnormalities.
   b) Precipitants of atypical HUS.
   c) ADAMTS-13 deficiency.  
       3+2+5

2. Discuss small vessel pauci immune vasculitis under following heads:
   a) The clinicopathological variants grouped under this entity.
   b) Pathogenetic pathway causing vasculitis.
   c) Treatment option for managing pauci immune vasculitis.  
       2+2+6

3. Discuss C3 glomerulopathy under following heads:
   a) Pathogenesis.
   b) Clinical manifestations.
   c) Laboratory findings and renal histology.  
       4+2+4

4. Discuss the pathophysiology of cardio-renal syndromes and outline the treatment strategies.  
   5+5

5. a) Erythropoietin resistance.  
    b) Calcimimetics.  
    c) Management of uremic pruritus.  
       3+3+4

6. a) Enumerate the various classifications used for acute kidney injury (AKI).  
    b) Outline the role of Biomarkers in AKI.  
       4+6

7. a) Discuss the pathophysiology of Hepatorenal syndrome.  
    b) Outline the general principles in its prevention and approach to therapy.  
    c) Role of extra corporeal support therapy.  
       4+4+2

P.T.O.