



NEPHROLOGY

PAPER – II

NEPH/D/14/20/II

Time : 3 hours

Max. Marks : 100

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: 3+2+5
 - a) Classical histology and laboratory abnormalities.
 - b) Precipitants of atypical HUS.
 - c) ADAMTS-13 deficiency.
2. Discuss small vessel pauci immune vasculitis under following heads: 2+2+6
 - a) The clinicopathological variants grouped under this entity.
 - b) Pathogenetic pathway causing vasculitis.
 - c) Treatment option for managing pauci immune vasculitis.
3. Discuss C3 glomerulopathy under following heads: 4+2+4
 - a) Pathogenesis.
 - b) Clinical manifestations.
 - c) Laboratory findings and renal histology.
4. Discuss the pathophysiology of cardio-renal syndromes and outline the treatment strategies. 5+5
5.
 - a) Erythropoietin resistance. 3+3+4
 - b) Calcimimetics.
 - c) Management of uremic pruritus.
6.
 - a) Enumerate the various classifications used for acute kidney injury (AKI). 4+6
 - b) Outline the role of Biomarkers in AKI.
7.
 - a) Discuss the pathophysiology of Hepatorenal syndrome. 4+4+2
 - b) Outline the general principles in its prevention and approach to therapy.
 - c) Role of extra corporeal support therapy.

P.T.O.