

NEPHROLOGY
PAPER-IITime: 3 hours
Max. Marks:100

NEPH/J/20/20/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. Lupus Nephritis: 5+5
 - a) Describe International Society of Nephrology / Renal Pathology classification of Lupus Nephritis, 2018.
 - b) Management of refractory lupus nephritis.
2. Infection related glomerulonephritis (IRGN): 8+2
 - a) Predisposing factors, pathogenesis, clinical features and management.
 - b) IgA dominant IRGN.
3. Bone disease in chronic kidney disease: 5+2+3
 - a) Evaluation and management of high turnover bone disease.
 - b) Role of Denosumab.
 - c) Indications of parathyroidectomy.
4. Pregnancy and renal disease: 7+3
 - a) Thrombotic microangiopathy in pregnancy.
 - b) Long term complications of Pregnancy related AKI (PRAKI).
5. BK Virus in Renal Transplantation: 4+4+2
 - a) Role of screening following renal transplantation and diagnosis.
 - b) Risk factors and types of renal involvement.
 - c) Management of BK Virus nephropathy.
6. Emphysematous pyelonephritis: 5+5
 - a) Describe CT classification.
 - b) Emergency management of emphysematous pyelonephritis in a diabetic.
7. Extracorporeal therapies: 5+5
 - a) Discuss its role in sepsis.
 - b) Discuss its role in acute poisoning.

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NEPHROLOGY
PAPER-II

8. IgG4 related disease: 2+5+3
a) Definition.
b) Renal presentations and pathogenesis.
c) Management of IgG4 disease.
9. Renal stones: 4+3+3
a) Mechanism of stone formation in urinary system.
b) Relevance and management of Struvite stone in urinary system.
c) Medical management of recurrent uric acid stone in urinary system.
10. Renal transplantation: 5+5
a) Strategies to improve donor pool in transplantation.
b) Renal transplantation from HCV positive donor.

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