

NEPHROLOGY
PAPER-II

Time: 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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| 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. | |
