

NEPHROLOGY
PAPER-III

Time: 3 hours
Max. Marks:100

NEPH/J/20/20/III

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:

- Recent advances in management of: 5+5
 - Renal vasculitis.
 - Renal allograft rejection.
- Biomarkers and their implications in glomerular diseases: 5+2+3
 - In Membranous nephropathy.
 - Fibrillary glomerulonephritis.
 - IgA Nephropathy.
- Veverimer.
 - Difelikefalin.
 - Patiromer.3+3+4
- Immunological assessment in renal transplantation and high risk renal transplantation.
 - Post-transplant recurrence of glomerular disease and management.5+5
- Covid-19 Pandemic and kidneys: 5+5
 - Haemodialysis unit protocols for dialysis of COVID-19 positive chronic kidney disease patients.
 - Management of renal transplant recipient on becoming COVID-19 positive.
- Directly acting oral anticoagulants and implications for a nephrologist.
 - Diagnosis and management of pulmonary hypertension and CKD.5+5
- Vascular access in hemodialysis: 4+3+3
 - Indications, advantages and disadvantages of Hemodialysis Reliable Outflow (HeRO) graft device.
 - Describe Ellipsys endovascular arteriovenous fistula (endoAVF) system.
 - Inside-out technique for tunneled dialysis catheter.

P.T.O.

NEPHROLOGY
PAPER-III

- | | | |
|-----|---|-------|
| 8. | Paediatric renal transplantation: | 3+3+4 |
| | a) Pretransplant evaluation. | |
| | b) Challenges in immediate post-transplant period. | |
| | c) Immunosuppression protocols. | |
| 9. | a) Methods of HLA typing and matching in renal transplantation. | 5+5 |
| | b) Telemedicine in nephrology. | |
| 10. | a) Enumerate compliment mediated renal diseases. | 5+5 |
| | b) C3 Glomerulopathy. | |
