

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

NEPH/D/19/20/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:

- a) Biomarkers of glomerular injury beyond urinary albumin. 5+5
 - b) Describe briefly about biomarkers of acute kidney injury.
- a) Describe tolerance and biomarkers of tolerance. 5+5
 - b) Briefly discuss T regulatory cell and B regulatory cell in a renal allograft recipient.
- Phospholipase A2 receptor antibody and recent advances in the management of membranous nephropathy 5+5
- ABO incompatible kidney transplantation: desensitization methods and outcomes in comparison to ABO compatible donor. 5+5
- CREDENCE trial: background, study design, conduct and outcomes. 2+2+2+4
- Chronic kidney disease of unknown etiologies. 10
- a) Kidney Donor Profile Index (KDPI): calculation, interpretation, utility in donor selection and prognostic use in deceased donor kidney transplantation (DDKT). 5+5
 - b) Clinical application of machine perfusion in DDKT.
- Kidney-Paired Donation to increase living donor kidney transplantation in India. 10
- a) National Organ and Tissue Transplant Organization (NOTTO) kidney allocation criteria in deceased donor kidney transplant. 5+5
 - b) Non-financial incentives to organ donors.
- Updates on renal Xenotransplantation. 10
