

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

NEPH/J/19/20/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. a) Pre-eclampsia - Pathogenesis, novel diagnostics and therapies. 7+3
b) Management of aHUS in pregnancy.
2. Clinical manifestations, pathogenesis and management of BK virus nephropathy. 3+3+4
3. a) Immune tolerance. 6+4
b) Induction therapy in renal transplantation.
4. a) Methods of detection of Donor Specific Antibodies (DSA). 6+4
b) ABO incompatible transplantation – outcomes.
5. a) Use of phosphate binders in CKD. 6+4
b) Calciphylaxis: Diagnosis and management.
6. a) Vascular access – types, advantages and disadvantages. 6+4
b) Epidemiology and management of CRBSI.
7. a) Describe the RO unit used for hemodialysis. 6+4
b) Prevention and management of intradialytic hypotension.
8. a) HIV and kidney. 5+5
b) Management of HIV with ESRD.
9. Extra-corporeal treatment of poisonings. 10
10. a) CKD: Definition, classification and limitations of eGFR. 7+3
b) Obesity and CKD.
