

**NEPHROLOGY**  
**PAPER-II**

Time: 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:**

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|-----|--|-------|
| 1.  | a) Pre-eclampsia - Pathogenesis, novel diagnostics and therapies.<br>b) Management of aHUS in pregnancy.       | 7+3   |
| 2.  | Clinical manifestations, pathogenesis and management of BK virus nephropathy.                                  | 3+3+4 |
| 3.  | a) Immune tolerance.<br>b) Induction therapy in renal transplantation.   | 6+4   |
| 4.  | a) Methods of detection of Donor Specific Antibodies (DSA).<br>b) ABO incompatible transplantation – outcomes. | 6+4   |
| 5.  | a) Use of phosphate binders in CKD.<br>b) Calciphylaxis: Diagnosis and management.                             | 6+4   |
| 6.  | a) Vascular access – types, advantages and disadvantages.<br>b) Epidemiology and management of CRBSI.          | 6+4   |
| 7.  | a) Describe the RO unit used for hemodialysis.<br>b) Prevention and management of intradialytic hypotension.   | 6+4   |
| 8.  | a) HIV and kidney.<br>b) Management of HIV with ESRD.  | 5+5   |
| 9.  | Extra-corporeal treatment of poisonings.   | 10    |
| 10. | a) CKD: Definition, classification and limitations of eGFR.<br>b) Obesity and CKD.                             | 7+3   |

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