

**NEPHROLOGY**

PAPER-III

NEPH/D/18/20/III

Time: 3 hours  
Max. Marks:100

**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) Pathogenesis of Acute kidney injury (AKI) in sepsis and its management. 5+5  
b) Acute Kidney Injury 0 by 25 initiative.
2. a) Recent changes in Banff classification. 5+5  
b) Management of antibody mediated rejection.
3. a) Non proteinuric diabetic nephropathy. 5+5  
b) SGLT2 inhibitors in the management of diabetic nephropathy.
4. a) Donor derived infections in kidney transplant recipients. 5+5  
b) Management of post renal transplantation hepatitis C infection.
5. a) Vaccinations before transplantation. 6+4  
b) Diagnosis of latent tuberculosis in pre-transplant setting and management.
6. a) Bortezomib in renal transplantation. 5+5  
b) Rituximab in glomerular disease management.
7. a) Assessment of volume status in hemodialysis patient. 5+5  
b) Hemodiafiltration versus Hemodialysis as renal replacement modality.
8. a) Evaluation of atypical hemolytic uremic syndrome. 5+5  
b) Management strategies for hemolytic uremic syndrome.
9. a) CAR-T cells in kidney diseases. 5+5  
b) Stem cells in kidney diseases.
10. a) Recent modifications in Tissue and Human Organ Transplantation Act (THOTA). 5+5  
b) Measures to improve organ donation.

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