

**NEPHROLOGY**

PAPER – II

NEPHRO/D/16/20/II

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) Complications of renal biopsy. 3+4+3  
b) Various immuno-fluorescence patterns of renal diseases.  
c) Role of electron microscopy in renal disease evaluation.
2. a) Anti PLA2 receptor antibodies. 2+3+5  
b) Enumerate secondary causes of membranous nephropathy.  
c) Algorithm for treatment of membranous nephropathy.
3. a) Define AKI. 1+5+4  
b) Approach to a patient with AKI.  
c) Complications of AKI.
4. a) KDIGO classification of CKD. 3+2+5  
b) Etiology of CKD in India.  
c) Various epidemiological studies done in India related to CKD.
5. a) Classification of lupus nephritis (LN). 3+7  
b) Trials related to treatment of LN.
6. Antibody mediated rejection: Diagnosis, risk factors and 3+2+5  
management.
7. a) Light chain associated renal disorders. 7+3  
b) Management of cast nephropathy.
8. a) Approach to renal anemia. 4+3+3  
b) Clinical practice guidelines in management of renal anemia.  
c) Newer drug therapies for renal anemia.
9. a) Pathogenesis of hepatorenal syndrome (HRS). 6+2+2  
b) Management of HRS.  
c) Role of liver support (MARS).
10. Complications of continuous ambulatory peritoneal dialysis: 5+5  
a) Infectious complications: diagnosis and management  
b) Non-infectious complications: diagnosis and management.

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