

**NEPRHOLOGY**

PAPER – III

NEPHRO/D/16/20/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. CRRT: 2+5+3
  - a) Indications
  - b) Compare CRRT with intermittent HD and SLED
  - c) Complications of CRRT
  
2. Cross match testing in renal transplantation: 6+4
  - a) Methods and recent advances
  - b) PRA
  
3. a) Enumerate inherited diseases associated with a cystic phenotype. 3+4+3
  - b) Genetics of ADPKD.
  - c) Recent trends in the management of ADPKD.
  
4. a) Classification of causes of tubulo-interstitial diseases of kidney. 4+3+3
  - b) Crystal deposition diseases.
  - c) IgG4 related renal diseases.
  
5. a) What is CKD of undetermined etiology? 2+3+3+2
  - b) Its global scenario.
  - c) Its Indian scenario,
  - d) Heat stress nephropathy.
  
6. Renal involvement in the following diseases: 4+3+3
  - a) Antiphospholipid syndrome.
  - b) Sickle cell disease.
  - c) Progressive systemic sclerosis.
  
7. Risk factors for nephrolithiasis: 3+4+3
  - a) Dietary
  - b) Urinary
  - c) Genetic

**P.T.O.**

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|-----|--|-------|
| 8.  | a) Classification of dialyzer membranes.   | 3+4+3 |
|     | b) Reactions to the hemodylsis membranes.  |       |
|     | c) High cut off dialysis membranes.        |       |
| 9.  | Peritoneal dialysis adequacy:              | 2+3+5 |
|     | a) Definition                              |       |
|     | b) K/DOQI guidelines                       |       |
|     | c) CANUSA and ADEMEX trials                |       |
| 10. | a) Implantable Renal Assist Device.        | 4+3+3 |
|     | b) Ethical issues in xeno transplantation. |       |
|     | c) Oby25 initiative.                       |       |

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