

NEPHROLOGY

PAPER – III

NEPHRO/J/17/20/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) Define 'Biomarker'. 1+3+(3+3)
b) Enumerate the biomarkers of acute kidney injury.
c) Clinical utility and limitations of biomarkers of acute kidney injury.
2. a) Evaluation of Peritoneal Dialysis connectology. 4+(1+2)+3
b) Incidence and diagnosis of peritonitis in PD.
c) Principles of treatment of peritonitis in PD.
3. Issues related to renal transplantation: 3+3+4
a) Spectrum of living donors in India.
b) Special precautions in evaluation of a female donor.
c) Transplant co-ordinator.
4. Monoclonal gammopathy of renal significance: 1+3+3+3
a) Definition
b) Clinical spectrum
c) Investigations
d) Treatment
5. a) Directly acting antivirals for treatment of HCV infection in CKD 5+5
and post transplantation.
b) Use of novel oral anticoagulants in CKD.
6. Diuretics: 2+2+6
a) Classification
b) Clinical use in CKD
c) Adverse effects
7. a) Haemodiafiltration. 5+5
b) Ultrapure water for dialysis.

P.T.O.

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8. a) Pre-transplant evaluation of a young male with bilateral stone disease. 5+5
b) Post-transplant hyperuricemia.
9. Delayed graft function: 1+2+3+3+1
a) Definition
b) Causes
c) Investigations
d) Principles of management
e) Outcome
10. Malnutrition in CKD: 3+4+3
a) Causes
b) Assessment
c) Management
