

FINAL EXAM
 DECEMBER 2015

NATIONAL BOARD OF EXAMINATIONS

NEPHROLOGY
PAPER – I

NEPH/D/15/20/I

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. Class - I HLA system under the following headings:	
a) Define class - I HLA system.	2
b) Structure of class - I HLA.	2
c) Clinical significance of class - I HLA in health and disease.	6
2. Hyperkalemia under the following headings:	
a) Pathophysiology of complications of hyperkalemia.	4
b) Immediate management.	2
c) Newer antihyperkalemic agents.	4
3. Renal diseases with their prevalence in:	
a) Rheumatoid arthritis.	3
b) Sarcoidosis.	3
c) Scleroderma.	4
4. Vascular calcification in chronic kidney disease under the following heads:	
a) Pathology.	3
b) Pathophysiology.	5
c) Diagnosis.	2
5. Management of chronic asymptomatic hyponatremia .	10
6. a) Structure of the peritoneal membrane.	5
b) Steps to preserve ultrafiltration capacity.	5
7. Role of urine dipstick testing:	
a) Parameters tested.	6
b) False positivity and negativity.	4
8. a) Radionuclides used in Nephrology for imaging: Clinical usage and limitations.	7
b) Role of PET scan in renal patients.	3
9. a) Thin basement disease – diagnosis and outcome.	5
b) Renal transplantation in Alport's disease.	5
10. a) Type IV RTA.	3
b) Secondary causes of renal tubular acidosis.	4
c) Management of distal RTA.	3
