

NEPHROLOGY

PAPER - III

NEPHRO/D/13/20/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.

1. a) Classify Amyloidosis. 4+2+4
b) Enumerate diagnostic methods for detecting Amyloidosis.
c) Discuss the typing of amyloidosis.
2. a) Discuss ABO incompatible renal transplant. 5+3+2
b) How are the results of ABO incompatible transplant different from that of ABO compatible renal transplant?
c) Discuss accommodation and microchimerism.
3. Discuss vaccination protocol pre and post renal transplantation. 10
4. a) Discuss protein energy wasting in chronic kidney disease. 5+5
b) Outline the strategies to prevent and treat it.
5. Discuss renal diseases in solid organ transplant recipients. 10
6. a) What is nuclear factor erythroid 2 related factor 2? 2+5+3
b) Discuss role of impaired Nrf-2 in Pathogenesis of CKD.
c) Discuss role of Bardoxolone in diabetic nephropathy.
7. a) Discuss adequacy of hemodialysis. 4+4+2
b) Discuss methods to measure adequacy and their pitfalls.
c) Discuss clinical implications of measuring adequacy.
8. Discuss management of a pregnant lady: 5+5
a) On hemodialysis
b) With renal transplant
9. Discuss newer hemodialysis technique under the following heads: 4+3+3
a) Hemodiafiltration
b) Wearable artificial kidney
c) Regional citrate anticoagulation
10. Discuss the pathogenesis and management of ANCA positive crescentic glomerulonephritis. 10
