

NEPHROLOGY

PAPER – II

NEPH/D/15/20/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:

| | |
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| 1. a) What are the clinical syndromes associated with atherosclerotic renal disease? | 2 |
| b) Tabulate the methods used to assess the renal vasculature and specifically mention its ability to image the renal vessels and tissue perfusion. | 4 |
| c) Percutaneous transluminal angioplasty: Complications and long term outcomes. | 4 |
| 2. a) Pathophysiology of HELLP syndrome in pregnancy. | 3 |
| b) Pathology of HELLP syndrome. | 3 |
| c) Current concepts of management of HELLP. | 4 |
| 3. Active renal stone formers under the following headings: | |
| a) Define active stone former. | 1 |
| b) Causes of active stone formation. | 2 |
| c) Investigations required for active stone formers. | 4 |
| d) Management of active stone formers. | 3 |
| 4. a) Anti PLA2 receptor antibodies. | 2 |
| b) Secondary causes for membranous nephropathy. | 3 |
| c) Algorithm for treatment of membranous nephropathy. | 5 |
| 5. a) The acceptable renal criteria for pregnancy in a post renal transplant patient. | 3 |
| b) Immunosuppressives in pregnancy with renal transplant. | 3 |
| c) The effect of pregnancy on lupus nephritis and vice versa. | 4 |
| 6. a) Define diabetic nephropathy. | 2 |
| b) Indications for renal biopsy in a diabetic with renal disease. | 4 |
| c) Prognostic significance of microalbuminuria. | 4 |
| | P.T.O. |

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| 7. | a) Pathogenesis of heparin induced thrombocytopenia (HIT). b) Alternative anticoagulants in HIT. c) Dialysis catheter lock solutions. | 4 3 3 |
| 8. | a) Enumerate the clinical presentations of Genitourinary Tuberculosis (GUTB). b) Abnormalities seen in excretory urogram. c) Indications for surgery in GUTB. | 4 3 3 |
| 9. | Protein Energy Wasting in CKD under the following headings: a) Causes. b) Diagnostic criteria. c) Principles of treatment. | 2 5 3 |
| 10 | a) What are Heat shock Proteins? b) What is its relation to ischemic Acute Kidney Injury (AKI)? c) Outcomes of septic AKI. | 3 4 3 |
