

**PAEDIATRIC NEPHROLOGY**  
**THEORY PAPER**

**Time : 3 hours**

**Max. Marks : 100**

**Attempt all questions in order.  
Each question carries 10 marks.**

**Write short notes on:**

1. Discuss the evaluation and management of a 9-year-old girl with frequently relapsing nephrotic syndrome, Cushingoid features and weight 33kg. 10
2. Outline the differential diagnosis and management of a 2-year-old boy with persistent hypokalemic metabolic alkalosis. 10
3. Discuss the evaluation and management of atypical hemolytic uremic syndrome. 10
4. Outline the pathogenetic mechanisms for focal segmental glomerulosclerosis (FSGS). Enumerate the principles of prevention and management of recurrent FSGS. 5+5
5. Outline the evaluation of a patient with primary vesicoureteric reflux. Discuss the evidence-base for the management of these patients. 10
6. Describe the evaluation and management of a girl with recently diagnosed stage II hypertension. 10
7. Outline the diagnosis and management of an 11-year-old boy with acute allograft rejection. 10
8. a) Management of anemia in CKD stage 4-5. 5+5  
b) Phosphate binders in CKD-mineral bone disease.
9. a) Forest plot and its analyses. 5+5  
b) Bias in randomized controlled trials.
10. a) Prolonged intermittent kidney replacement therapy. 5+5  
b) Diagnosis of post-transplant viral infections.

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