

[Time: 3 Hours]**[Max. Marks: 100]****PAEDIATRIC NEPHROLOGY - PAPER – I****QP Code: 4147**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Answer All The Questions**10 X 10 = 100 Marks**

1. Discuss in brief the molecular events in the development of kidney and urinary tract
2. What is risk ratio and odds ratio? How is it calculated by giving examples
3. Discuss the approach to a child with failure to thrive and hypokalemic metabolic alkalosis
4. What are the methods for estimating proteinuria and discuss their advantages and limitations
5. Discuss the laboratory investigations you will order in a child with Lupus nephritis and how will you grade the severity of lupus nephritis based on histopathology
6. Write a short note on plasmapheresis
7. Write a short note on Cyclosporine
8. Discuss the immunological alterations in nephrotic syndrome
9. Discuss the differential diagnosis and approach to evaluation and initial management of child presenting with acute glomerulonephritis
10. Define acute kidney injury (AKI) and enumerate the KDIGO criteria for staging AKI and its limitations

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