

# Rajiv Gandhi University of Health Sciences

**D.M Degree Examination – JULY-2019****Time: Three Hours****Max. Marks: 100 Marks****PAEDIATRIC NEPHROLOGY - PAPER – I****QP Code: 9166**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary. Answer all questions

**LONG ESSAY (These questions carry 10 marks each)****10 x 10 = 100 Marks**

1. Discuss the molecular control of ureter and bladder development and the various anomalies associated with abnormal development kidney and urinary tract.
2. Discuss the role of kidney in regulating acid base balance.
3. Discuss the utility and pitfall of Next generation sequencing for genetic testing in children with kidney diseases.
4. Discuss the role of animal models in the study of human Polycystic Kidney Disease.
5. Discuss the various stains used in staining of renal pathology specimens and their role in diagnosis of renal diseases.
6. Discuss the pathophysiology of Dent's disease.
7. Discuss the mechanisms and risk factors for aminoglycoside nephrotoxicity.
8. Discuss the molecular basis of primary hyperoxaluria.
9. Write a note on sample size and its importance in clinical research.
10. Write a note on Immune tolerance in renal transplantation.

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