

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**D18UB541H1SV7M39II Year B.Sc. Renal Dialysis Technology Degree Examination**  
**– 23-May-2025**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**Concepts of Renal Diseases: Clinical Manifestation and its Management (RS-3)**

**Q.P. CODE: 3300**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

**LONG ESSAYS (Question No.2 Choice)**

**2 x 10 = 20 Marks**

1. Define Acute Kidney Injury (AKI). Describe classification and causes of AKI.
2. Classify congenital anomalies of the kidney. Write briefly on renal agenesis.

**OR**

Explain renovascular hypertension with pathophysiology and its management.

**SHORT ESSAYS (Question No.5 & 10 choice)**

**10 x 5 = 50 Marks**

3. Define urinary tract infection. Explain its causes, clinical features, management and prevention.
4. Define chronic kidney disease. Explain management of stage five CKD.
5. Discuss dietary recommendations for patients undergoing hemodialysis.

**OR**

Describe chronic pyelonephritis.

6. Explain anatomic and physiologic changes in kidney during pregnancy.
7. Explain nephrotic syndrome – primary and secondary.
8. Explain asymptomatic urinary abnormalities.
9. Discuss various benign renal tumours.
10. Explain renal replacement therapies.
11. Classify renal stones. Explain etiology and management of renal stone diseases.
12. Explain obstructive uropathy and its management.

**SHORT ANSWER (Question No. 15 & 20 choice)**

**10 x 3 = 30 Marks**

13. Name three food rich in potassium.
14. Mention three common causes of chronic kidney disease.
15. Explain horseshoe kidney.

**OR**

Name three functions of kidney not replaced by hemodialysis.

16. List any three nephrotoxic drugs.
17. What is ARPKD?
18. Name three drugs to treat urinary tract infections.
19. Write normal serum value of calcium, phosphorus and parathyroid hormone.
20. Define the term oliguria, anuria and nocturia.

**OR**

Name three inherited diseases of the kidney.

21. Define renal osteodystrophy.
22. Mention three drugs used to treat oedema.

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