

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Renal Dialysis Technology Degree Examination – 28-Oct-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). Write about classification and pathophysiology of acute kidney injury.
2. Discuss the etiopathogenesis and management of nephrotic syndrome.  
**OR**  
Enumerate the various renal tumors and write briefly on renal cell carcinoma.

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

**10 x 5 = 50 Marks**

3. Define urinary tract infection. Write its clinical features and management.
4. Define chronic kidney disease. Describe stages of chronic kidney disease.
5. Discuss renal complications during pregnancy.  
**OR**  
Write a note on Wilm's tumor.
6. Discuss the renal changes in pregnancy and write briefly on pre-eclampsia.
7. Explain pathophysiology of renovascular hypertension.
8. Classify nutrients. Discuss assessment of protein energy malnutrition.
9. Write a note on autosomal dominant poly cystic kidney disease.
10. Explain HELLP syndrome.  
**OR**  
Discuss the etiopathogenesis and pathophysiology of nephritic syndrome in a child.
11. Explain asymptomatic urinary abnormalities.
12. Classify renal stones. Explain etiology and management of renal stone diseases.

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

**10 x 3 = 30 Marks**

13. Write any three dietary factors affecting blood pressure.
14. Name any three food rich in potassium.
15. Define renal osteodystrophy.  
**OR**  
Define the term oliguria, anuria and nocturia.
16. Name three congenital diseases of kidney.
17. Name three tumors of urinary system.
18. Name three organisms causing urinary tract infections.
19. Mention three common causes of chronic kidney disease.
20. Write normal serum value of calcium phosphorus and parathyroid hormone.  
**OR**  
Describe Alport's syndrome.
21. Mention three drugs causing acute kidney injury.
22. Mention three drugs used to treat oedema.

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