

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**III Year B.Sc. Renal Dialysis Technology Degree Examination – 25-Nov-2024**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**Applied Dialysis Technology – Paper -II (RS-3)**  
**Q.P. CODE: 3306**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS (Second Question Choice)**

**2 x 10 = 20 Marks**

1. Define acute kidney injury (AKI), its classification and common causes of AKI
2. Describe water treatment plant. Illustrate with diagram

**OR**

What are various continuous dialysis therapies?

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

**10 x 5 = 50 Marks**

3. Explain plasmapheresis procedure
4. Aluminium toxicity
5. What is home haemodialysis set up?

**OR**

Usefulness of telemedicine in dialysis

6. Enumerate various modification of dialysis prescription in pregnant women
7. Explain importance of Basic Course in Life support (BCLS).
8. Vaccination in dialysis patient
9. Haemoperfusion in poisoning
10. Describe problem encountered in diabetic dialysis patient

**OR**

Causes and management of hypotension in dialysis patient

11. Note on HDF
12. Explain MARS in brief

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

**10 x 3 = 30 Marks**

13. Universal precautions
14. Causes of seizures in HD
15. How does contaminated water affect the dialysis patient?

**OR**

Three causes of malnutrition in HD patients

16. Functions of carbon filter
17. What are acceptable Endotoxin levels in water for HD?
18. Causes of sudden death in HD patient
19. Psychosocial problem in dialysis patient
20. Sorbent dialysis

**OR**

SCUF

21. Causes of amyloidosis
22. Different types of ESA used in the treatment of anaemia

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