

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Renal Dialysis Technology Degree Examination – 07-Dec-2023**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**Basics of Renal Dialysis Technology (RS-3)**

**Q.P. CODE: 3304**

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. What are the different types of vascular access used in Hemodialysis? Explain each type with example.
2. What are Anticoagulants and mention its importance in HD? Add a note on different types of Heparinization.

**OR**

How do you assess the patients during dialysis and after dialysis and management of common complications during hemodialysis?

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

**10 x 5 = 50 Marks**

3. Reuse of Hollow fiber dialyzer.
4. What is Dialysate and mention its functions and composition.
5. Central Venous Catheter.

**OR**

Water treatment of HD.

6. Pre-dialysis assessment.
7. BCLS.
8. Hemodialysis machine preparation.
9. Basic principles of Hemodialysis.
10. Anatomy of Peritoneum.

**OR**

Explain different alarms during dialysis with causes.

11. Hypertension in Hemodialysis.
12. CRRT.

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

**10 x 3 = 30 Marks**

13. Importance of practicing proper handwashing technique in Dialysis.
14. What is the normal range of pulse rate and mention any two places in the human body where it can be felt?
15. Deionizers

**OR**

Blood stream infection with temporary venous catheter.

16. Types of dialyzers.
17. Define blood pressure and write the unit of blood pressure. Name of the equipment used to check blood pressure.
18. What is Reverse Osmosis and mention any 2 reasons for the necessity of RO pure water in Hemodialysis?
19. Hemodialysis vs peritoneal dialysis advantages and disadvantages.
20. Explain Kuf.

**OR**

Mention different kinds of personal protective equipment.

21. When do you adjust of ultrafiltration rate?
22. What are the functions of: a) Sample port b) Blood pump c) Air-Blood Detector.

\*\*\*\*\*