

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA, WARANGAL – 506 002

**B.Sc. (Allied Health Sciences), SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS:
OCTOBER, 2025**

RENAL DIALYSIS TECHNOLOGY

PAPER III

APPLIED DIALYSIS THERAPY TECHNOLOGY

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark
Color pencil.

Write essay on any TWO of the following questions:

2 X 10 = 20

1. Describe the anatomy and physiology of peritoneal membrane, its blood supply and lymphatic drainage. Add a note on its functions as a dialysis membrane.
2. Enumerate the complications that can occur during haemodialysis. Explain in detail about management of any two complications.
3. Indications and modes of dialysis in ICU. Describe in detail about SLED (slow low efficiency dialysis).

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Dialysis in pregnancy.
5. Mechanical dialysis of peritoneal dialysis.
6. Causes of hypertension in dialysis patient and how do you manage?
7. Explain the parts of a Haemodialysis machine. Add a note on important alarms during dialysis and their rectifications.
8. Describe the types, care and complications of vascular access used in haemodialysis.
9. Monitoring of anticoagulation in dialysis patient.

Write briefly on the following:

10 X 3 = 30

10. Write two molecules of low molecular weight heparin.
11. Two indications of dialysis in poisoning.
12. Two advantages of reuse of dialyser.
13. Drugs used to treat cramps in dialysis.
14. Recommended KT/V for Haemodialysis and continuous ambulatory Peritoneal dialysis (CAPD).
15. Dialyser membranes.
16. Types of dialysates used Haemodialysis.
17. Peritoneal dialysis catheters.
18. Peritoneal equilibration test.
19. Newer Peritoneal dialysis solutions.
