

PAPER CODE: AHS14010

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA STATE, WARANGAL – 506 002

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

RENAL DIALYSIS TECHNOLOGY

PAPER I

**APPLIED ANATOMY, PHYSIOLOGY & PHARMACOLOGY RELATED TO DIALYSIS
TECHNOLOGY**

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams wherever 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. Body fluids/Types/Composition. What are Starlings forces?
2. Different classes and mechanism of action of Antihypertensives with examples of each class.
3. Structure & Innervation of Bladder. What is Micturition Reflex?

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Role of kidney in BP regulation.
5. Vit D Analogues.
6. Renal vein.
7. Mechanism of Urine concentration.
8. Conditions causing Hypokalaemia & Hyperkalaemia.
9. Role of Peritoneum in peritoneal dialysis.

Write briefly on the following:

10 X 3 = 30

10. When is Sodium Bicarbonate used?
11. Name hormones involved in blood glucose regulation.
12. Different molecules used in Iron therapy dialysis patients.
13. Chemicals used in sterilization in dialysis room with mechanism of action
14. What is Cyclophosphamide used for?
15. What are Inotropes? Give examples. Where are they used?
16. How is potassium excreted by Kidney?
17. Side effects of Diuretics.
18. What is the difference in male & female Urethra? Name causes of BOO (Bladder outlet obstruction)
19. Replacement fluids for CRRT.
