



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Third Year (Semester-V)

September 2022 Examination

B.Sc. Renal Dialysis Technology (RDT)

Time : 3 Hrs.

Paper – I

[Max. Marks : 100]

Applied Dialysis Technology Paper-I

Q.P Code : J5531

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Write a neatly labeled diagram of Hemodialysis circuit
2. Discuss the mechanism of Peritoneal dialysis

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

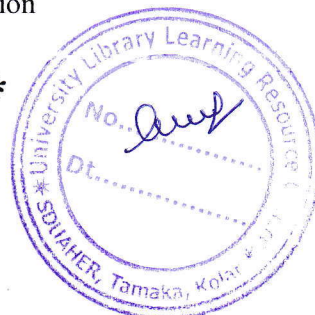
3. Mention the Indications of Dialysis
4. Dialyzer membranes
5. Hemodialysis apparatus
6. Temporary dialysis access
7. Permanent dialysis access
8. Different types of PD catheters
9. Complications of PD catheter insertion
10. AV Graft
11. Three Pore Model in PD
12. Permanent catheter
13. Hallow Fiber Dialyzer
14. History of Dialysis

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

15. Who invented AV Shunt and what is its utility?
16. Name three sites where temporary dialysis catheter can be places
17. Define Diffusion
18. Name three different types of PD catheters
19. Who invented AV Fistula and what are the advantages?
20. What Ultrafiltration
21. Name three complications of PD catheter insertion
22. Define Osmosis
23. Rule of Six
24. What is solvent Drag
25. What are the different methods of PD catheter insertion
26. AN-69 Membrane

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September 2022 Examination

B.Sc. Renal Dialysis Technology (RDT)

Paper – II

[Max. Marks : 100]

Applied Dialysis Technology Paper-II

Q.P Code : J5532

Time : 3 Hrs.

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate the various continuous therapies in CRRT. Write a prescription of CVVHDF.
2. Plasmapheresis- Procedure, Indications and complications

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

3. Hemo adsorption
4. Haemoperfusion
5. MARS
6. SLED
7. Enumerate the different modalities of APD
8. Dialyzable poisons
9. How do you manage blood spill in dialysis room
10. Discuss causes of chest pain dialysis and how do you investigate
11. Dialysis in a pregnant patient
12. Dialysis in failed transplant patient
13. Challenges in dialysis in advanced liver disease
14. Dialyzer reuse- advantages and disadvantages

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

15. SCUF
16. AN-69 Membrane
17. Dose of erythropoietin and route of administration?
18. Causes of chest pain during HD
19. Post dialysis fatigue syndrome
20. What is solute removal index?
21. Mention the normal serum value of S Albumin, S Calcium and S Phosphorus
22. Name three non-heparin anticoagulants used in HD?
23. Name three common causes of hypotension in HD?
24. Nutrition in dialysis patient
25. Reasons for under delivery of prescribed dose of HD?
26. Describe problems encountered in a diabetic patient undergoing dialysis

