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# SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

#### (A DEEMED TO BE UNIVERSITY)

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

September 2021 Examination B.Sc. Renal Dialysis Technology (RDT)

Time: 3 Hrs.

Paper – I

[Max. Marks: 100]

# Applied Dialysis Technology Paper-I Q.P Code : J6541

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

#### LONG ESSAY

 $2 \times 10 = 20 \text{ Marks}$ 

- 1. Discuss the principles of Hemodialysis
- 2. Discuss the symptoms and signs of peritonitis in a patient on CAPD. Mention the investigations and the treatment of peritonitis in CAPD

#### SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

- 3. Anticoagulation in Hemodialysis
- 4. Exit site infection in PD
- 5. Common complication during hemodialysis
- 6. Regional anticoagulation in hemodialysis
- 7. Acute PD procedure and complications
- 8. Long term complication in hemodialysis patient
- 9. Heparin free dialysis
- 10. Discuss acute complication of HD
- 11. Physiological process involved in HD
- 12. Heparin complication and antidote
- 13. Mention the absolute indications for dialysis
- 14. Regional anti coagulation in HD

#### SHORT ANSWERS (Answer any Ten)

 $10 \times 3 = 30 \text{ Marks}$ 

- 15. PET
- 16. Composition of PD solutions
- 17. Isolated ultrafiltration
- 18. What is AV Shunt and Name the person who first created AV shunt
- 19. Name the causes for vomiting during hemodialysis
- 20. Mention the complication of heparin
- 21. Name Three common causes of anemia in dialysis
- 22. What is conductivity
- 23. What is thermal disinfection
- 24. Biocompatibility
- 25. Residual Renal Function
- 26. What is sequential dialysis?

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

September 2021 Examination B.Sc. Renal Dialysis Technology (RDT)

Time: 3 Hrs.

Paper - II

[Max. Marks: 100]

# Applied Dialysis Technology Paper-II O.P Code: J6542

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

#### LONG ESSAY

 $2 \times 10 = 20 \text{ Marks}$ 

- 1. Discuss the various infections that occur in a patient undergoing Hemodialysis
- 2. Write neatly a label diagram of water treatment plant and mention the various parts and their roles

#### SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

- 3. Universal precautions during hemodialysis
- 4. Online Dialysis
- 5. Vaccination in Dialysis patients
- 6. Bone disease in Dialysis patients
- 7. Enumerate the problems in dialyzing diabetic patient
- 8. Adequacy of Dialysis
- 9. Daily Dialysis
- 10. Tele Medicine in dialysis practice
- 11. Artificial wearable Kidney
- 12. AAMI Criteria of Water for Hemodialysis
- 13. Access Recirculation
- 14. Nocturnal Dialysis

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#### $10 \times 3 = 30 \text{ Marks}$

#### SHORT ANSWERS (Answer any Ten)

- 15. Residual renal function
- 16. Darbepoetin
- 17. Ultrapure water
- 18. What is CERA?
- 19. Name three IV Iron Preparations
- 20. Calcimimetics
- 21. Hypertension during Dialysis
- 22. Tele Medicine in dialysis practice
- 23. Adynamic Bone disease
- 24. Sodium Profiling
- 25. Nutrition in Dialysis
- 26. Mention the normal Values of Serum Calcium, Phosphorus and Serum Albumin