

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**

**(A DEEMED TO BE UNIVERSITY)**

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

**February 2019 Examination**

**B.Sc. Renal Dialysis Technology**

**Time : 3 Hrs.**

**[Max. Marks : 100]**

**Paper – I**

**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. 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)**

**10 X 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 X 3 = 30 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?

**\* \* \***

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

**February 2019 Examination**

**B.Sc. Renal Dialysis Technology**

**Time : 3 Hrs.**

**Paper – II**

**[Max. Marks : 100]**

**Applied Dialysis Technology Paper-II**

**Q.P Code : J5532**

*Your answers should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Plasmapheresis- Procedure, Indications and complications
2. Describe the important precautionary measure & type of dialysis adopted while dialyzing patient with acute coronary syndrome?

**SHORT ESSAY (Answer any Ten)**

**10 X 5 = 50 Marks**

3. Dialyzer reuse- advantages and disadvantages
4. Dialysis in a pregnant patient
5. Hemoadsorptions
6. Issues in Dialyzing Infants and children
7. SLED
8. Enumerate the different modalities of APD
9. MARS
10. Dialyzable poisons
11. Haemoperfusion
12. CVVHDF
13. Dialysis in failed transplant patient
14. Challenges in dialysis in advanced liver disease

**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

**\* \* \***