

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

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

March 2021 Examination

B.Sc. Renal Dialysis Technology

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 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)

10X 5 = 50 Marks

3. Anticoagulation in Hemodialysis
4. Exit site infection in PD
5. Long term complication in hemodialysis patient
6. PET
7. Acute PD – indications and complications
8. Peritonitis in CAPD
9. Mechanical complications of PD
10. Three pore model in peritoneal dialysis
11. Withdrawal of dialysis
12. Discuss acute complication of HD
13. Regional anticoagulation in hemodialysis
14. Peritoneal dialysis fluid – composition

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

15. Adequacy of hemodialysis
16. Isolated ultrafiltration
17. Residual Renal Function
18. Name the causes for vomiting during hemodialysis
19. Name Two vitamin D analogues
20. Two common causes of anemia in dialysis
21. What is conductivity
22. Biocompatibility
23. What is thermal disinfection
24. Causes of headache in HD
25. What is sequential dialysis
26. Tidal PD



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

March 2021 Examination

B.Sc. Renal Dialysis Technology (RDT)

Time : 3 Hrs.

Paper – II

[Max. Marks : 100]

Applied Dialysis Technology Paper-II

Q.P Code : J6542

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

LONG ESSAY

2 X 10 = 20 Marks

1. Discuss Renal Anemia and its Management
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. Infections in patient undergoing Hemodialysis
5. Vaccination in Dialysis patients
6. Bone disease in Dialysis patients
7. How to identify the Peritonitis and its treatment
8. Adequacy of Dialysis
9. Nocturnal Dialysis
10. Telemedicine in dialysis practice
11. Artificial Wearable Kidney
12. AAMI Criteria for Water for Hemodialysis
13. Access Recirculation
14. Online Dialysis



SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

15. What is conductivity
16. Mass transfer area coefficient
17. Ultrapure water
18. Three Pore Model in PD
19. What is Renalin? Mention the composition and uses
20. Darbepoetin
21. What is CERA?
22. Sorbent Technology in Dialysis
23. Adynamic Bone disease
24. Sodium Profiling
25. Nutrition in Dialysis
26. Mention the normal Values of Serum Calcium , Phosphorus and Serum Albumin