

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

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

July/August 2019 Examination

B.Sc. Renal Dialysis Technology

Time : 3 Hrs.

[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)

10 X 5 = 50 Marks

3. Anticoagulation in Hemodialysis.
4. Exit site infection in PD.
5. Physiological process involved in HD.
6. Three pore model in peritoneal dialysis.
7. Long term complication of PD.
8. Common complication during hemodialysis.
9. Mention the advantages and disadvantages of temporary dialysis catheters.
10. Describe various types of anticoagulation protocols in HD unit.
11. Mention the various types of PD catheters.
12. Heparin complication and antidote.
13. What are the routine blood test done monthly and 3 months in dialysis patient?
14. Advantages & Disadvantages of AV Shunt.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

15. PET.
16. Regional anti coagulation in HD.
17. Composition of PD solution.
18. Mechanical complications of PD.
19. Name the causes for vomiting during hemodialysis.
20. Biocompatibility.
21. What is sequential dialysis?
22. AV graft is created by using what synthetic bridge?
23. Isolated ultrafiltration.
24. Non renal indications for hemodialysis.
25. Name Two vitamin D analogues.
26. Two common causes of anemia in dialysis.

*** * ***

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 the mechanism of PD. How to diagnose peritonitis in PD and its treatment
2. Write neatly a label diagram of water treatment plant and mention the various parts and their roles

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

3. Universal precautions during hemodialysis
4. PET
5. Vaccination in Dialysis patients
6. Bone disease in Dialysis patients
7. Short term complications of HD
8. Adequacy of Dialysis
9. Anemia management in dialysis
10. Regional Anticoagulation
11. Heparinoids
12. Dialyzer reactions
13. Access Recirculation
14. Withdrawal criteria for Dialysis

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

15. Composition of Dialysate used in Hemodialysis
16. Mass transfer coefficient
17. Ultrapure water
18. Three Pore Model in PD
19. Exit Site Infection
20. Online dialysis
21. Nocturnal Dialysis
22. Mechanical Complications of PD
23. Adynamic Bone disease
24. Sodium Profiling
25. Nutrition in Dialysis
26. Mention the normal Values of Serum Calcium , Phosphorus and Serum Albumin