

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

July 2019 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 neatly labeled diagram of Hemodialysis apparatus
2. Describe the brief about physiology of PD.

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

3. Mention the different dialyzer membranes
4. Mention the different technics of PD catheter insertion
5. Temporary vascular access for Hemodialysis
6. Permanent access for Hemodialysis
7. Complications of Internal Jugular Cather insertion
8. Indications for dialysis
9. Permanent catheter
10. Mention the various PD catheters available
11. Advantages and disadvantages of PD
12. Draw a diagram of Hemodialysis circuit
13. Composition of dialysate used in Hemodialysis
14. Three Pore Model in PD

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

15. Write few lines about history of dialysis
16. Define Ultrafiltration
17. Who invented AV Shunt and what is its utility?
18. Thomas Gram
19. AV Fistula – advantages and disadvantages
20. Mention the complications of PD catheter insertion
21. Define Diffusion
22. What material is used AV Shunt and who invented it?
23. What is solvent Drag
24. AN-69 Membrane
25. Rule of Six
26. Define Osmosis

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

July 2019 Examination

B.Sc. Renal Dialysis Technology (RDT)

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. Discuss bone disease in dialysis patient. Mention types and management.
2. Plasmapheresis- Procedure, Indications and complications.

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

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

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.

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