

DIPLOMA IN DIALYSIS TECHNOLOGY
SECOND YEAR
PAPER II – INTRODUCTION TO DIALYSIS – PART II

Q.P. Code: 842512

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Describe in brief about the Hemodialysis apparatus. What are the monitors and alarms in the Hemodialysis machine? What are the pre and post intra dialytic patient assessments?
2. Enumerate the physiology, principles and types of peritoneal dialysis. What are the targets for adequacy in peritoneal dialysis?
3. What are the types of Arterio Venous access? Why AV fistulas are better than grafts? How do you monitor AV fistula dysfunction?

II. Write notes on:

(10 x 5 = 50)

1. What are the long-term complications of Hemodialysis?
2. What are the various types of Hemodialysis membranes?
3. What are the newer peritoneal dialysis solutions?
4. What are mechanisms of solute transport in hemodialysis?
5. What is the composition of dialysate used in hemodialysis?
6. What is CRRT and what are the different types of CRRT?
7. What are the medico-legal issues with hemodialysis and peritoneal dialysis?
8. Write about regional citrate anticoagulation.
9. Discuss the long complications of Peritoneal dialysis.
10. Discuss the various Intravenous preparations of Iron.

III. Short answers on:

(10 x 2 = 20)

1. What are the steps of basic life support?
2. How do you control infections inside a dialysis unit?
3. What is the role of therapist in rehabilitation of patient on dialysis?
4. What are the vaccines you advise for a dialysis patient?
5. What are the Hemoglobin targets of for dialysis patients?
6. What are causes of anemia in a dialysis patients?
7. How do you diagnose Exit site infection?
8. What is Icodextrin?
9. What are the types of dialyzer reactions?
10. What are the complications of heparin and how to revert the bleeding with heparin?
