

**Second Year B.Sc Dialysis Technology Degree Supplementary
Examinations September 2023****Paper II –Applied Pharmacology Related to Dialysis****(2020 Scheme)****Time: 3 Hours****Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay**(20)**

1. Classify the Calcium Channel Blockers (CCB) with examples. Describe the role of CCBs in patients with Chronic Kidney Disease (CKD). Add a note on the adverse effects and drug interaction of CCBs.

Short Notes**(8x10=80)**

2. Enumerate various intravenous fluids. Describe the use of these fluids during renal impairment.
3. What is peritoneal dialysis. Briefly describe the composition of fluids used in conventional peritoneal dialysis.
4. Classify erythropoietin. Describe their actions, dosage, side effects and contraindications.
5. Describe the principles in the dosage, administration and drug interaction of protamine sulphate in dialysis patients. Add a note on its adverse effect and contraindications.
6. Describe briefly the Vitamin D metabolism and its use in patients on chronic Haemodialysis.
7. Describe the role of vasopressors in hypotensive shock.
8. Hydrogen peroxide as an antiseptic.
9. Low molecular weight heparin (LMWH).
