



Jharkhand State Paramedical Council

RIMS Campus, Bariatu, RANCHI 834009

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Module 5 : Introduction to the hospital Information System

Definition of Hospital Information system, Architecture of a HIS, aim and uses of HIS, types of HIS Benefits of using a hospital information system.

Basics of Computer (Practical)

Module 1: Introduction to Microsoft Word

Type a text of document save the document. Align the text with different formats. Align the text with different formats using Microsoft Word. Inserting a table ensuring Proper alignment of the table using MS word.

Module 2: Microsoft Power Point

Preparing a slide show with transition, animation and sound effect using MS – Power point. Customizing the slide show by inserting pictures and tables in the slides using MS – Power Point.

Module 3: Introduction to the Internet

Create an e – mail account. Use the internet to search for a subject of interest.

Theory Paper II (100 Marks)

Paper A (50 Marks)

Diploma in Dialysis Technician

Section I

1. Anatomy of the kidney including urinal corpuscles (glomerulus)
2. Renal circulation.
3. Glomerular ultra –filtration.
4. Auto regulation of renal circulation and glomerular filtration.
5. Release and functions of various hormones from kidney.
6. Reabsorption and transport of various molecules or ions from renal tubules.
7. Excretion and synthetic functions of the kidney.
8. Nerve supply of the urinary bladder.
9. Endocrine function of vit D in the normal kidney.
10. Normal urine.

Section II

1. Acute renal failure
2. Chronic renal failure
3. Dialysis, Various types of dialysis.
4. Peritoneal catheter and process of its insertion.
5. Various complications of peritoneal dialysis.
6. Instrument used in peritoneal Dialysis and Hemodialysis.
7. Maintenance & care of Dialysis Equipments.
8. Hemodialysis in acute kidney injury
9. Hemodialysis in chronic Kidney disease

Part B



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Part B

- 1 Indications of hemodialysis.
- 2 Various vascular accesses to hemodialysis.
- 3 Various components of extra-corporeal circuit.
- 4 Dialysate - Hazards associated with dialysis water.
- 5 Monitoring of patient on hemodialysis, Various parameters of hemodialysis monitoring.
- 6

PRACTICAL (100 Marks)

1. To demonstrate various Parts of Hemodialysis machine.
2. To demonstrate various Parts of Retritive Dialysis.
3. Desperation of Dialysis/Dialyset.
4. How to prepare bicarbonate solution for Dialysat
5. How to disinfect hemodialysis machine.
6. How to keep dialysat.
7. How to keep artificial kidney.
8. Maintains of Hemodialysis machine.
9. Cole of A.V Fistula.

Training schedule

1. 3 months - OPD
2. 9 months - Dialysis unit

VIVA : (100 MARKS)



झारखण्ड राज्य पारामेडिकल परिषद

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सभी डिप्लोमा पाठ्यक्रमों का Paper-I, Common रहेगा, जबकी
विषयवार Paper-II का सिलेबस अलग-अलग रहेगा।
