

Jharkhand State Paramedical Council

RIMS Campus, Bariatu, RANCHI 834009

Tele-Fax:0651-2544027 E-mail: jspcranchi@gmail.com

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.
- 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.

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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

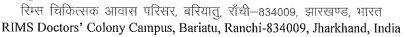
VIVA: (100 MARKS)

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झारखण्ड राज्य पारामेडिकल परिषद

Iharkhand State Paramedical Council





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

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