

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Renal Dialysis Technology Degree Examination – Aug 2013

Time: 3 Hours

Max. Marks: 40 Marks

Physiology

Q.P. Code : 1250

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 1249 and 1250 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Draw a diagram showing the innervations of urinary bladder. Explain briefly one disorder affecting the bladder.
2. Describe the role of loop of henle and vasa recta in the formation of urine.

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Mention any 2 renal functions test. Explain any one function.
4. Discuss the mechanism of sodium absorption in renal tubules.
5. Explain the properties of substance used to measure clearance studies.
6. Name the types of dialysis. Give the composition of dialyzing fluid. Explain the principles of peritoneal dialysis.

SHORT ANSWERS (Answer any Five)

5 x 3 = 15 Marks

7. Name 3 hormones secreted by kidney. Mention their functions.
8. Factors determining gradient time type of transport.
9. Mention three peculiarities of renal circulation.
10. Draw a neat, labelled diagram of Juxta Glomerular apparatus.
11. Draw a neat diagram of cystometrogram and explain it.
12. Describe the dietary principle of renal stone.
