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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Renal Dialysis Technology Degree Examination – Sep 2012

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. Explain in detail sodium reabsorption across various components of nephron
2. Name the parts of the nephron and mention where does the absorption of water occur. Explain how water is conserved in case of dehydration

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Explain in detail antifibrinolytic system
4. List the tests of pregnancy. Explain in detail any one test
5. Explain in detail counter current exchanger mechanism
6. Draw a labelled diagram of the juxta glomerular apparatus. Name the hormones secreted by the kidney

SHORT ANSWERS (Answer any Five)

5 x 3 = 15 Marks

7. Define splay. Explain tubular maximum of glucose
8. Define plasma clearance. Name two clearance tests
9. Draw a neat diagram of nephron and label
10. List any 3 peculiarities of the renal circulation
11. How does kidney handle potassium in hyperkalaemia
12. List three major buffers in the blood.
