

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Renal Dialysis Technology Degree Examination – SEP-2017

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. Describe the mechanism by which water is reabsorbed from the collecting tubules.
2. What is GFR? Give its normal value. Explain the factors that regulate GFR.

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Mention the tests for renal function. Explain any one function in detail.
4. Draw a labelled diagram of Juxtaglomerular apparatus. List their functions.
5. Describe the role of kidney in calcium metabolism.
6. What is tubulo glomerular feed back mechanism and glomerulo tubular feedback mechanism?

SHORT ANSWERS (Answer any Five)

5 x 3 = 15 Marks

7. Draw a neat, labelled diagram of a nephron.
8. What are the abnormal constituents of Urine?
9. Explain the effect of diuretics on electrolyte excretion.
10. Give the normal values of serum Creatinine, urea and sodium.
11. Define bleeding time and clotting time. Give normal values.
12. Draw a neat, labelled diagram of glomerular capillary membrane.
