

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Renal Dialysis Technology Degree Examination – MARCH 2018

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 reabsorption of sodium in the renal tubules with labelled diagrams.
2. Describe the role of kidney in the long term regulation of blood pressure.

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Explain counter current multiplier mechanism.
4. Describe the role of kidney in calcium metabolism.
5. Define renal clearance. Give the normal value of inulin clearance and PAH clearance. What do they indicate?
6. Describe fibrinolytic system.

SHORT ANSWERS (Answer any Five)

5 x 3 = 15 Marks

7. Draw a neat labelled diagram of a nephron.
8. What is automatic bladder?
9. Draw a neat labelled diagram of cystometrogram.
10. Name the types of water reabsorption by renal tubules and where do they take place?
11. What is diabetes insipidus?
12. Give the source and action of erythropoietin.
