

## Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Renal Dialysis Technology Degree Examination – OCT-2019

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 the role of Renin-angiotensin system in the regulation of BP.
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. Compare and contrast Juxtaglomerular and cortical Nephron
4. What is clearance? How are clearance test used to measure GFR?
5. Renal dialysis
6. Renal regulation of hydrogen ion

#### **SHORT ANSWERS (Answer any Five)**

**5 x 3 = 15 Marks**

7. Write any 10 names of clotting factors.
8. Name three hormones secreted by kidney. Mention their function.
9. Laplace's law
10. Innervations of urinary bladder
11. Reabsorption of sodium in DCT
12. Draw a neat labeled diagram of cystometrogram and explain it.

\*\*\*\*\*