

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination - SEP-2017

Time: 3 Hours Max. Marks: 38 Marks

Physiology

Q.P. Code: 1754

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary (Note: Both OP Codes 1753 and 1754 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One)

 $1 \times 10 = 10 \text{ Marks}$

- Describe the mechanism of respiration.
- 2. Describe the functions of thyroid hormone. Name the diseases of hypo and hyper secretion of thyroid hormone.

SHORT ESSAYS (Answer any Four)

 $4 \times 5 = 20 \text{ Marks}$

- 3. Describe the functions of testosterone.
- 4. Name the different types of blood groups. Explain Landsteiner's law.
- 5. Name the conducting tissues of Heart. Explain the conduction of electrical impulse in the heart.
- 6. Describe the composition and functions of cerebrospinal fluid.
- Explain the different stages of menstrual cycle.

SHORT ANSWERS $4 \times 2 = 8 Marks$

- 8. Draw a neat diagram of neuron and label it.
- 9. Define cardiac cycle.
- 10. Explain saltatory conduction in Neurons.
- Name the hormones of posterior pituitary gland. NWW.Filest.P.