

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B.Sc. (Nursing - Basic) Degree Examination – 04-Feb-2022

**Time: 3 Hours****Max. Marks: 40 Marks****PHYSIOLOGY (RS)****Q.P. Code: 1677**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

**(Note: Both QP Codes 1677 and 1678 are to be answered within total duration of 3 hours)****LONG ESSAYS (Answer any One)****1 x 10 = 10 Marks**

1. Name the respiratory centres. Explain the neural regulation of respiration
2. What is erythropoiesis? Describe the stages and factors influencing it

**SHORT ESSAYS (Answer any Four)****4 x 5 = 20 Marks**

3. Describe the structure of Sarcomere
4. List the differences between first and second heart sounds
5. List the functions of saliva
6. Describe five functions of Hypothalamus
7. Explain the structure and functions of juxta glomerular apparatus

**SHORT ANSWERS****5 x 2 = 10 Marks**

8. Mention two examples of neuro endocrine reflex
9. List the primary colours of vision
10. List two functions of sertoli cells
11. Name the types of RNA (Ribo Nucleic Acid)
12. List two functions of vestibular apparatus

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