

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – 28-Jul-2021

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. Define cardiac cycle. Explain the mechanical events and pressure changes during cardiac cycle.
2. List the nuclei of Hypothalamus. Explain the functions of Hypothalamus.

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

3. Explain the functions of lungs.
4. Explain liver function tests.
5. What is erythropoiesis? Describe the factors influencing it.
6. Describe the structure of Sarcomere.
7. Explain the functions of Insulin and pancreas.

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

8. Name the different types of taste sensations.
9. Draw a neat labeled diagram of a nephron.
10. List the types of hypoxia.
11. What is the normal body temperature? Mention the mechanisms of heat loss from body.
12. Write the functions of mitochondria.
