

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – 10-Feb-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. Describe the structure of neuromuscular junction and explain the mechanism of transmission of nerve impulse across it
2. Define cardiac cycle. With the help of a diagram, explain the mechanical & pressure changes during cardiac cycle

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

3. List the functions of blood
4. Describe the different mechanisms of passive transport across the cell membrane
5. What is dead space? What are its types? How is it measured?
6. Explain the composition and functions of gastric juice
7. Explain the structure of a synapse. What are its types?

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

8. What is cystometrogram?
9. Name the hormones secreted by anterior pituitary
10. List the methods of contraception in females
11. Name the functions of rods and cones
12. List two functions of cerebellum
