

Rajiv Gandhi University of Health Sciences, Karnataka
I Semester B. Sc Nursing Degree Examination - 14-Jun-2023

Time: Three Hours

Max. Marks: 38

APPLIED PHYSIOLOGY – SECTION – B (RS-6)

Q.P. CODE: 1776

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 1775 and 1776 are to be answered within total duration of 3 hours)

LONG ESSAY

1 x 10 = 10 Marks

1. List the composition of saliva and explain the mechanism of secretion and function of saliva

SHORT ESSAYS

3 x 5 = 15 Marks

2. Describe the regulation of cardiac output
3. Explain the properties of nerve fibres
4. Describe a reflex arc with the help of a diagram

SHORT ANSWERS

3 x 2 = 6 Marks

5. Name the muscles of respiration
6. List the hormones secreted by anterior pituitary
7. Enlist any four functions of nephrons

Multiple Choice Questions

7 x 1 = 7 Marks

8. The movement of particles from a region of higher concentration to the region of lower concentration is termed as
 - A. Diffusion
 - B. Endocytosis
 - C. Pinocytosis
 - D. Osmosis
9. In pulmonary circulation, blood is pumped from
 - A. Right atrium
 - B. Right ventricle
 - C. Left atrium
 - D. Left ventricle
10. The total volume of blood present in human adult is around
 - A. 3L
 - B. 5L
 - C. 8L
 - D. 10L
11. The hormone secreted by posterior pituitary is
 - A. Luteinising Hormone
 - B. Follicle Stimulating Hormone
 - C. Vasopressin
 - D. Growth Hormone
12. The receptors for vision are
 - A. Rods
 - B. Hair cells
 - C. Macula
 - D. Crista
13. The renal threshold for glucose is
 - A. 180 mg/dl
 - B. 325 mg/dl
 - C. 180 mg/min
 - D. 325mg/min
14. Follicle Stimulating Hormone is secreted from
 - A. Anterior Pituitary
 - B. Posterior Pituitary
 - C. Ovary
 - D. Placenta