

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.P.T. Degree Examination – 07-Jul-2022

Time: Three Hours

Max. Marks: 100 Marks

HUMAN PHYSIOLOGY (RS - 5)

Q.P. CODE: 2732

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Second Question choice)

2 x 10 = 20 Marks

1. Explain excitation contraction coupling in skeletal muscle
2. Define cardiac cycle. Explain the different phases of cardiac cycle with their duration.

Or

Describe in detail the origin, course and functions of pyramidal tracts

SHORT ESSAYS (Question No.3 & 12 choice)

10 x 5 = 50 Marks

3. Define Hypoxia. Explain different types hypoxia with example.

Or

Describe defecation reflex with neat labeled diagram.

4. Discuss physiological role of Insulin. Add a note on diabetes Mellitus.
5. Describe the body mechanisms by which it tolerates cold environment.
6. With labeled diagram explain the micturition reflex.
7. Define Anemia. Briefly discuss the clinical classification of Anemia.
8. Enumerate functions of Basal ganglia.
9. Define cardiac output. Name the factor influencing the cardiac output.
10. Functions of Testosterone.
11. Name the Refractive Errors of eye and its correction.
12. Explain the ionic basis of Action potential of nerve.

Or

Discuss chemical regulation of respiration.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Define the term renal clearance giving its formula.
14. Define and mention the types of dead space.
15. Enumerate difference between active and passive transport.
16. Draw a Cystometrogram.
17. Name the Primary taste sensations.
18. What are anti-coagulants? List any two anticoagulants.
19. Name the anterior pituitary hormones.
20. Define Jaundice. Name the three types of Jaundice.
21. Define and mention the types of Haemophilia.
22. Write a note on entero-hepatic circulation.
