



QP CODE: 24026969



24026969

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE
EXAMINATIONS, OCTOBER 2024**

Third Semester

B.Sc Biological Techniques and Specimen Preparation Model III

Core Course - ZB3CRT07 - PHYSIOLOGY WITH CLINICAL CORRELATION

2017 Admission Onwards

DB8F768A

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Define disaccharides.
2. What is gap junction?
3. Define cori cycle.
4. What is rigor mortis?
5. What is haldane effect?
6. Define neuron.
7. What is saltatory propagation?
8. Name the master gland.
9. What is ADH?
10. Define chromaffin cells.
11. What is the function of chordae tendinae?
12. What is platelet aggregation?

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Explain the structural differences among the types of muscular tissues.
14. Describe neuro muscular junction.
15. Mention common abnormalities of muscular system.
16. Explain the functional organization of cerebrum.
17. Write the physiology of reflex arc with a diagram.
18. Describe the anatomy of thyroid gland with a neat diagram.
19. Describe the pituitary gland disorders.
20. Clinical abnormalities of heart.
21. Explain blood grouping.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Explain the sliding filament theory with a neat diagram.
23. Describe the functional organization of brain.
24. Describe the anatomy of parathyroid gland its function?how the calcium hemostasis is made.
25. Explain the composition of blood.

(2×10=20)

