

(Pages : 3)



3621

Reg. No. : .....

Name : .....

**Third Semester B.Sc. Degree Examination, February 2024**

**Career Related First Degree Programme Under CBCSS**

**Botany And Biotechnology**

**Vocational Course V**

**BB 1372 : ANIMAL PHYSIOLOGY AND ANATOMY**

**(2019 Admission Onwards)**

Time : 3 Hours

Max. Marks : 80

**SECTION – A**

Answer all the questions in a word or one or two sentences. Each question carries 1 mark.

1. What is adrenal cortex?
2. Define anaerobic respiration.
3. Identify the functions of medulla oblongata.
4. What is myocardium?
5. Write the function of melatonin.
6. What is called diabetes mellitus?
7. What is myelin?
8. Comment on pepsin.

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9. Mention the function of corona radiata.in ovum.
10. What is acrosome?

(10 × 1 = 10 Marks)

SECTION – B

Answer any **eight** questions. Each question carries **2** marks. Answer not to exceed one paragraph.

11. What is ADH on kidney function?
12. List the four phases of cardiac cycle.
13. What is chyme?
14. Comment on thyroid gland.
15. What is vegetative reproduction?
16. What is filter feeding?
17. Write brief note on haemoglobin.
18. Identify the functions of prolactin.
19. What is lymph?
20. Explain parathyroid gland and its function.
21. What is pyloric sphincter?
22. What are the steps involved in cellular respiration?

(8 × 2 = 16 Marks)

### SECTION – C

Answer any six questions. Each question carries 4 marks. Answer not to exceed 120 words.

23. Explain the feedback mechanism of hormones.
24. Elaborate on the structure of human heart.
25. Explain the types of respiration.
26. Discuss different types of digestion.
27. What are striated muscles? Why they are called voluntary?
28. Explain the functions of endocrine glands.
29. Explain the excretory organs of invertebrates.
30. Discuss the structure and functions of human respiratory system.
31. Explain human embryogenesis.

(6 × 4 = 24 Marks)

### SECTION – D

Answer any two questions. Each question carries 15 marks. Answer not to exceed 3 pages.

32. What is digestion? Discuss the mechanisms of digestion.
33. Explain the structure of human sperm.
34. Illustrate and explain the nervous system of prawn.
35. Write an essay on mechanism of muscle contraction.

(2 × 15 = 30 Marks)