

QP CODE: 19103022



Reg No :

Name :

B.Sc.DEGREE (CBCS) EXAMINATION, NOVEMBER 2019

First Semester

B.Sc Biotechnology Model III

Core Course - BT1CRT01 - BASIC LIFE SCIENCES

2017 Admission Onwards

FCB4CF23

Time: 3 Hours

Maximum Marks :60

Part A

Answer any ten questions.

Each question carries 1 mark.

1. What is peristalsis?
2. What are peptidases?
3. Which are the food reserves in animals?
4. What are ammonotelics?
5. What is glomerulus?
6. Describe the role of ADH in osmoregulation.
7. What is depolarization?
8. What are the chemical signals in synapse?
9. What is photolysis?
10. What is carboxylation?
11. What is chemotatic movement?
12. What is short day plants ?

(10×1=10)

Part B

Answer any six questions.

Each question carries 5 marks.

13. What is the difference between aerobic and anaerobic respiration?
14. Illustrate the structure of haemoglobin.
15. Write a note on lymphatic vessels and lymph nodes.
16. Explain in detail about autonomous nervous system.





17. Explain the functions of myelin sheath.
18. Describe the factors affecting transpiration.
19. Explain photosystem I.
20. Explain the functions of Gibberellins?
21. Explain the importance of vernalization.

(6×5=30)

Part C

*Answer any two questions.
Each question carries 10 marks.*

22. Explain the absorption of carbohydrate and proteins.
23. Describe in detail the normal and abnormal constituents of urine and the disorders associated with it.
24. Explain the mechanism of action of neurotransmitters.
25. Describe the importance of various micronutrients and macronutrients in plant growth.

(2×10=20)

