



QP CODE: 23104657



23104657

Reg No :

Name :

**B.Sc.DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE
EXAMINATIONS, FEBRUARY 2023**

First Semester

B.Sc Biological Techniques and Specimen Preparation Model III

Core Course - ZB1CRT01 - INTRODUCTION TO BIOLOGICAL SCIENCES

2017 Admission Onwards

54FA9445

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. Define Biology.
2. Write very briefly the importance of Biology on the frontiers of science and technology.
3. Write two major events in the history of Bioogy in middle ages.
4. Which is the lowest level of biological organization?
5. What is Lamark's theory of evolution?
6. Wat are bases?
7. Name the two pyrimidines present in DNA.
8. The deficiency of which vitamin causes beriberi?
9. What is the shape the structure of water molecule?
10. Define homeostasis.
11. Define Genetics.
12. Define plant morphology.

(10×1=10)

Part B

*Answer any **six** questions.*

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





13. Describe the importance of Biology on the frontiers of science and technology.
14. Describe the history of Biology of ancient ages.
15. Describe the the abiotic synthesis of macromolecules and production of protocells.
16. Draw the structures of glucose and fructose molecules.
17. Describe the classification of proteins based on functions.
18. Describe the classification of lipids.
19. Describe the homeostatic processes for thermoregulation.
20. Describe thenature and scope of botany,zoology and cellbiology.
21. Describe the nature and scope of Molecularbiology and ecology.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain the various branches of Biology.
23. Describe the history and evolution of life on earth.
24. Describe in detail the sources and functions of minerals.
25. Describe in detail biological thermoregulation.

(2×10=20)

