



K23U 4134

Reg. No. :

Name :

**I Semester B.Sc. Degree (CBCSS – OBE– Regular/Supplementary/
Improvement) Examination, November 2023**

(2020 Admission Onwards)

**COMPLEMENTARY ELECTIVE COURSE IN LIFE SCIENCES (ZOOLOGY)
AND COMPUTATIONAL BIOLOGY**

1C01 CSC-ZCB : Introduction to Computers, Networks and Programming

Time : 3 Hours

Max. Marks : 32

**PART – A
Short Answer**

Answer **all** questions.

(5×1=5)

1. What is the purpose of a system bus ?
2. What are registers ?
3. Give some examples of wireless communication medium.
4. What is meant by open source software ?
5. What is the function of a loader ?

**PART – B
Short Essay**

Answer **any 4** questions.

(4×2=8)

6. What are the different features of a motherboard ?
7. What are ports and interfaces ?
8. Differentiate LAN and WAN.

P.T.O.

K23U 4134



9. Give some benefits of computer networks.
10. What is meant by looping control structures ?
11. What is an algorithm ?

PART – C
Essay

Answer **any 3** questions.

(3×3=9)

12. Explain the basic concepts of cache memory.
13. Explain BIOS, CMOS chip and memory chips.
14. Write a short note on generations in mobile communication.
15. Differentiate system software and application software. Give examples.
16. Differentiate assembler, compiler and interpreter.

PART – D
Long Essay

Answer **any 2** questions.

(2×5=10)

17. Explain in detail the computer memory representation and memory hierarchy.
 18. Compare and contrast the different network topologies.
 19. Explain the different functions of an operating system.
 20. Explain the types of computer languages.
-