Reg. No. : ....

Name : ....

I Semester B.Sc. Degree (CBCSS (O.B.E.) – Regular) Examination, November 2020
(2020 Admission)
B.Sc. LIFE SCIENCES (ZOOLOGY) AND COMPUTATIONAL BIOLOGY
1C01CSC – ZCB : Complementary Elective Course – I
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 cache memory ?

2. Write any two merits of bus topology.

3. What are free softwares ?

4. What is a flowchart ?

5. Differentiate between primary and secondary memory.

PART – B
(Short Essay)

Answer **any 4** questions.

(4×2=8)

6. List any four storage devices present in a computer.

7. What are assemblers ?

8. What are system softwares ?

9. Write short note on "Generations in Mobile Communication".

10. What is Structured Programming ?

11. What is an algorithm ?

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PART – C
(Essay)

Answer **any 3** questions.

12. What is computer network ? Why do we need it ?   (3×3=9)

13. Differentiate between RAM and ROM.

14. What are logical ports ? Explain.

15. Write a short note on open-source software.

16. Differentiate between Compilers and Interpreters.

PART – D
(Long Essay)

Answer **any 2** questions.

17. With a neat diagram, explain the memory hierarchy in detail.   (2×5=10)

18. What are the different types of networks ? Explain.

19. Compare and contrast application software and system software in detail.

20. Explain Program Development Lifecycle, in detail.

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