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5B1N23249 (Pages : 2) Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester B.Sc Computer Science Degree Examination, November 2023

BCS1B01 – Computer Fundamentals

(2022 Admission onwards)

Time: 2 hours Max. Marks : 60

PART - A
All questions can be attended
Each question carries Two marks
Ceiling - 20 Marks

1. Explain memory hierarchy?
2. Discuss functions of an operating system?
3. Write the Linux command to move and copy a file.
4. Define algorithm.
5. Draw a flowchart to find the sum of 10 numbers.
6. How to compile and run a C program in Windows.
7. Write the syntax to initialise a variable in C? Give example.
8. Write the syntax of scanf( )
9. What is meant by associativity in C? Give example.
10. Write a C program to find sum of digits.
11. What is an interpreter?
12. Write an algorithm to find the biggest among three numbers?

PART - B
All questions can be attended
Each question carries Five marks
Ceiling - 30 Marks

13. What are data types ? Explain important data types in C.
14. Write short notes on : (a) DOS (b) Linux (c) Windows
15. What is type conversion ? Explain two methods to types conversion with example.

16. Explain the types of operating system.

17. Write a C program to find the largest of three numbers.

18. Explain the various flow charting symbols.

19. What are header files ? Explain any four library functions?

PART - C

Answer any one questions
Each question carries ten marks

20. With the help of a block diagram, explain the Von Neumann model of a computer system.

21. What are operators ? List and explain various operators in C programming language.

(1 x 10 = 10 Marks)