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Reg. No:............................

Name: ....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Second Semester B.Sc Computer Science Degree Examination, April 2022

BCS2B02 – Problem Solving Using C Language

(2019 Admission onwards)

Time: 2 hours

Max. Marks: 60

PART - A
Questions 1 to 12. Each question carries *two* marks. Ceiling 20 marks

1. Define the term control statement.

2. What is a pointer?

3. Give the format of fclose() function in C.

4. Define Union.

5. What are keywords? Give examples.

6. What is the use of #define statement?

7. What is type casting?

8. Give the syntax of goto statement.

9. Explain the use of fseek and ftell statements.

10. Define formal argument.

11. What is function prototype?

12. What is the use of FILE pointer?

PART - B
Questions 13 to 19. Each question carries *five* marks. Ceiling 30 marks

13. Write a C program to check whether a given number is prime or not.

14. List and explain different types of user defined functions with examples.

15. Explain the use of malloc() and calloc() functions.

16. What are storage classes? Explain the scope and life of important storage classes.

17. Explain with example various argument passing mechanisms in C.

18. What are structures? Explain the syntax of structure definition with an example.

19. Write a C program sort a list of given numbers in ascending order.

PART - C

Question 20 and 21. Answer *any one* questions. Each question carries ten marks

20. List various decision making and branching statements in C. Explain each of them with suitable examples.

21. Write the C program to find the product of two matrices.

(1 x 10 = 10 Marks)