

UNIVERSITY OF CALCUTTA

FAKIR CHAND COLLEGE

COMPUTER SCIENCE

B.ScSEM-II(Gen) Examination-2020

Paper: CC-2.1

Full Marks: 50 (10+25+15)

Time:2hr

Internal Assessment

Answer **any two** questions from the remaining: -

2X5=10

1. Why c is called structured programming language?
2. What is the differences between while and do-while loop?
3. What is array?

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Theory

Answer any **five** questions from the remaining.

5X5=25

1. Explain about Row major and Column major of 2D array with proper diagram. 5
2. Write down the algorithm of PUSH and POP operation of queue. 5
3. Write the algorithm of infix expression to postfix expression conversion. 5
4. Write the algorithm of Binary search of an array. 5
5. Write the algorithm of Linear search of an array 5
6. Write the algorithm of bubble sort of an array. 5
7. What is pointer? 5

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Practical

Answer the following questions: -

3X5=15

1. Write a c program to find out the factorial of a given number.
2. Write a c program to print the Fibonacci series up to a given range.
3. Write a c program of swapping of two numbers.