

UNIVERSITY OF CALCUTTA

FAKIR CHAND COLLEGE

COMPUTER SCIENCE

B.Sc SEM-II(Gen) Examination-2020

Paper: GE-2/CC-2.3

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 Macro?
3. What is array?

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Theory

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

5X5=25

- | | |
|--|---|
| 1. What is the differences between stack and queue? | 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 selection 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 area and perimeter of a rectangle.
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.