

# UNIVERSITY OF CALCUTTA

## FAKIR CHAND COLLEGE

### COMPUTER SCIENCE

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

Paper: CC-2.2

Full Marks: 50(10+25+15)

Time:2hr

### Internal Assessment

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

2X5=10

1. What is pointer?
2. What is the differences between while and do-while loop?
3. What is Macro?

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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 Stack. 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 selection sort of an array 5
6. Write the algorithm of bubble sort of an array. 5
7. What is call by value? 5

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#### **Practical**

Answer the following questions: -

3X5=15

1. Write a c program to check a given number is prime or not.
2. Write a c program to check a given year is leap year or not.
3. Write a c program of swapping of two numbers.