

# UNIVERSITY OF CALCUTTA

FAKIR CHAND COLLEGE

B.SC. PART-II (GEN.) SUPPLEMENTARY EXAMINATION : 2020

CMSG - PAPER : II (Elective – 2)

F.M. : 50

TIME : 2 Hrs

**1. Answer any four questions :**

4 X 5 = 20

- a) What is the features of Queue?
- b) What is the differences between array and link list?
- c) What is criteria for Binary search procedure?
- d) Write advantages of waterfall model.
- e) What is SDLC ?
- f) Define DBMS.
- g) What is schema?
- h) What is super key?

**2. Answer any two questions :**

2 X 15 = 30

- a) Write down the algorithm of infix to postfix expression conversion.
- b) Write down the algorithm of selection sort.
- c) Briefly describe diff. types of testing.
- d) Describe data models in DBMS with diagram.