UNIVERSITY OF CALCUTTA

FAKIR CHAND COLLEGE
B.SC. PART-II (GEN.) SUPPLEMENTARY EXAMINATION : 2020
CMSG - PAPER : II (Elective – 3)

F.M. : 50   TIME : 2 Hrs

1. **Answer any four questions :**   4 X 5 = 20
   a) What is the features of link list?
   b) What is the differences between iteration and recursion procedure?
   c) What is criteria for Linear search procedure?
   d) Write short note on Alpha testing.
   e) What is the differences between DFD and flowchart ?
   f) Define candidate key.
   g) What is DML?
   h) What is data dictionary?

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 Binary search.
   c) Briefly describe open ended and close ended system.
   d) Explain E-R diagram in DBMS with an example.