

# UNIVERSITY OF CALCUTTA

FAKIR CHAND COLLEGE

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

CMSG- PAPER : I (Elective-3)

F.M. : 100

TIME : 3 Hrs

**1. Answer any four questions :**

4 X 5 = 20

- a) What does a scanner do ?
- b) Distinguish between CD and DVD.
- c) Full form : PROM, VDU
- d) Draw a truth table of two input NOR gate.
- e) What is the function of cache memory?
- f) What is the differences between RAM and ROM?
- g) Define Multiprogramming in OS.
- h) What is paging?

**2. Answer any four questions :**

4 X 20 = 80

- a) Briefly describe diff types of computer.
- b) Classify computer software.
- c) Why NAND and NOR gate are called universal gate?
- d) State and prove De-Morgan's Law.
- e) Explain about DMA.
- f) Explain about vonneuman memory structure.
- g) Distinguish between logical address and physical address.
- h) Explain the functions of Operating System.