# UNIVERSITY OF CALCUTTA

FAKIR CHAND COLLEGE
B.SC. SEM-IV (H) EXAMINATION : 2020
PAPER : CMSA-SEC-B – 4-1-TH

F.M. : 50(10 + 40)                    TIME : 2 Hrs

**(Internal Assessment)**

10

1. **Answer any two Questions :**                    2 X 5 = 10
   a)     What is Cryptography?
   b)     How to protect email messages?
   c)     Define Spyware.

**(Theory Examination)**

40

2. **Answer any four questions :**                                    4 X 10 = 40

   a) Explain SSL.

   b) What is the difference between Symmetric and Asymmetric encryption?

   c) Name some tools used for packet sniffing.

   d) What is Ethical hacking?

   e) What is a Firewall and why is it used?

   f) How will you detect data leakage ?