

**UNIVERSITY OF CALCUTTA**

**FAKIRCHAND COLLEGE**

**B.Sc. (GENERAL) SEMESTER-V, 2022**

**INTERNAL ASSESSMENT**

**PAPER – CMSG-SEC**

**F.M. – 30 TIME- 1hr**

(Answer Question **no.1** and any **four** from the rest)

- |  |         |
|--|---------|
| 1. Answer any <b>four</b> question:                        | 1.5×4=6 |
| a) What is open ended and close ended system ?             |         |
| b) What is algorithm ?                                     |         |
| c) Distinguish between flowchart and dfd.                  |         |
| d) What is unit testing ?                                  |         |
| e) Write short notes on system security.                   |         |
| f) What is Firewall ?                                      |         |
| g) Write short note of "Prototype".                        |         |
| <br>   |         |
| 2. Distinguish between white box and black box testing.    | 6       |
| 3. Mention different phases of Waterfall Model.            | 6       |
| 4. Briefly describe characteristics of good documentation. | 6       |
| 5. Write advantages of Spiral Model.                       | 6       |
| 6. Explain Cost-Benefit Analysis.                          | 6       |
| 7. Draw an ER diagram of University registration system.   | 6       |
| 8. Describe the role of System Analyst.                    | 6       |
| 9. Draw a DFD of library management system.                | 6       |