

UNIVERSITY OF CALCUTTA

FAKIRCHAND COLLEGE

B.Sc. (GENERAL) SEMESTER-V, 2021

INTERNAL ASSESSMENT

PAPER – CMSG-SEC

F.M. – 30 TIME- 1hr

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

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|--|-------------|
| 1. Answer any four 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". | |
| 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 |