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Reg. No : .....

Name : .....

**BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024**  
**2018, 2019, 2020, 2021, 2022 ADMISSIONS SUPPLEMENTARY**  
**SEMESTER III - BCA (Cloud Technology and Information Security Management)**  
**BCA3B07B18 - Information Security Fundamentals**

Time : 3 Hours

Maximum Marks : 80

**Part A**

**I. Answer any Ten questions. Each question carries 2 marks**

**(10x2=20)**

1. Differentiate between policy and standard.
2. Define the term cryptography.
3. Define Hackers.
4. Define polymorphic threats.
5. Define the structure of risk documentation.
6. Write the best practices of information security risk management.
7. Explain netcentric information systems.
8. Define layers of security.
9. What are the responsibilities of data custodian?
10. Define retention.
11. Discuss the guidelines of information governance.
12. Explain the concept of information asset with the help of diagram.

**Part B**

**II. Answer any Six questions. Each question carries 5 marks**

**(6x5=30)**

13. Write a short note on attack, threat, vulnerability and its risks.
14. Explain any 5 cyber attack that affects various organisations.
15. Differentiate between expert hackers and unskilled hackers.
16. Define Risk Management .Explain it with suitable diagrams.
17. Write a note on selecting a risk control strategy with suitable diagram.
18. Explain the components of cryptography.
19. Explain Intrusion Prevention System.
20. Explain the guidelines for information asset custodian.
21. Illustrate the typical asset contents.Explain.



**Part C**

**III. Answer any Two questions. Each question carries 15 marks**

**(2x15=30)**

22. Discuss the components of information system.
23. Discuss about a)Compromise to intellectual property b)Deliberate software attack c)Sabotage and vandalism
24. Write a short note on (a) Risk identification (5) (b)Risk Assessment(5) (c)Risk Analysis(5).
25. Discuss about Network security and Net centric Information system.