QP CODE: 19102714

19102714

Reg No : .....

Name : .....

BSc DEGREE (CBCS) EXAMINATION, OCTOBER 2019

Fifth Semester

B.Sc Computer Science Model III

Core Course - CC5CRT05 - COMPUTER SECURITY

2017 Admission Onwards

B85A5E50

Maximum Marks: 80 Time: 3 Hours

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Explain MULTICS system
2. Who is CISO?
3. Which is the cryptosystem that exhibits perfect secrecy? Explain why?
4. Give an example for a keyless transposition cipher?
5. Mention any one cryptographic tool and its function?
6. Define IDPS noise?
7. Expand NBA IDPS
8. What is email security?
9. Discuss the importance SPD and SAD in IPsec architecture.
10. List and brefly explain any two web traffic security approaches
11. List any four buisness requirements of SET
12. List the three types of firewalls

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Who decides when and how data in an organization will be used or controlled?
14. With a suitable example, explain Playfair cipher?

15. With suitable block diagram , explain a symmetric cipher model?

16. Differentiate digital certificates and digital signatures?

17. Explain the purpose of using an IDPS?

18. Write a note on IPsec services.

19. Explain ESP Packet format.

20. Write shortnotes on Application Level gateway

21. Write shortnotes on Circuit Level Gate ways

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. With suitable examples, explain mono alphabetic and polyalphabetic ciphers?

23. Explain different password selection strategies?

24. Define S/MIME and discuss the services provided by S/MIME

25. Explain about SSL architecture and Transport Layer Security in details

(2×15=30)