LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – **COMPUTER SCIENCE**

SIXTH SEMESTER – **APRIL 2022**

16/17/18UCS6MS02 – SECURITY IN INFORMATION TECHNOLOGY

Date: 24-06-2022   Dept. No. 　　　　　　 Max. : 100 Marks
Time: 01:00 PM - 04:00 PM

PART – A   **(10x 2 = 20 Marks)**

Q. No   Answer ALL questions

1   Who is CIO? List down his responsibilities.

2   List down the Components of Information Security.

3   Define Malware?

4   What is the major difference between Viruses and Worms?

5   Write any two advantages of Event based approach.

6   List down the Risk Control Strategies.

7   Who is responsible for developing information security Governance?

8   State the use of Blue Print?

9   What is a Packet Sniffers?

10   Define Cryptography.

PART – B   **(5 x 8 = 40 Marks)**

Answer ALL questions

11 a)   Explain the types of Security professionals in security system in detail.

OR

   b)   Describe the History of Information Security.

12 a)   Explain briefly about to select the Risk control strategies.

OR

   b)   Explain briefly about various Threats occur on Information System.

13 a)   How will you identify the risks? Explain.

OR

   b)   Describe the Risk assessment types in detail.

14 a)   Discuss about the Information security Blueprint.

(OR)

   b)   Write short notes on Security education Training and awareness program.

15 a)   Explain about IDPS with its various methods.
<div align="center">OR</div>

  b)   Explain about the Bio-Metric security system.

PART – C   **(2 x 20 = 40 Marks)**

<div align="center">**Answer any Two question**</div>

16   a)Explain the Security Software Development Life Cycle model.

    b)Briefly explain the various attacks occur on Information system

17   a) Discuss about the security policies, standards and practices in detail.

    b) Illustrate the IDPS with its various methods.

18   a)Write down the different types Cryptographic Methods and Algorithms with examples.

    b) Discuss about the Scanning and analysis tools used in information security.

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