



**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)  
Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B  
Coimbatore - 641 043, Tamil Nadu, India

**Bachelor's Degree Examination – June 2021**  
**VI Semester**

**Class : III UG**  
**Major : Information Technology**

**Time : 3 Hours**  
**Max. Marks: 100**

**18BITC30 Fundamentals of Cyber Security**

**Part A**  
**Choose the Correct Answer**

**10 x 1 = 10**

1. In which of the following, a person is constantly followed/chased by another person or group of several peoples? CO1 K1
  - a. Phishing
  - b. Bulling
  - c. Stalking
  - d. Identity theft
2. Information systems support an organization's business operations, managerial decision making and strategic competitive advantage. Such system is called CO1 K2
  - a. Business process reengineering
  - b. Globalization
  - c. Roles of information systems
  - d. Competitive advantage
3. Which one of the following can be considered as the class of computer threats? CO2 K2
  - a. Dos Attack
  - b. Phishing
  - c. Soliciting
  - d. Both A and C
4. \_\_\_\_\_ is the practice and precautions taken to protect valuable information from unauthorised access, recording, disclosure or destruction. CO2 K2
  - a. Network Security
  - b. Database Security
  - c. Information Security
  - d. Physical Security
5. Which of the following usually observe each activity on the internet of the victim, gather all information in the background, and send it to someone else? CO3 K1
  - a. Malware
  - b. Spyware
  - c. Adware
  - d. All the above
6. From the options below, which of them is not a threat to information security? CO3 K4
  - a. Disaster
  - b. Eavesdropping
  - c. Information leakage
  - d. Unchanged default password
7. Compromising confidential information comes under CO4 K2
  - a. Bug
  - b. Threat
  - c. Vulnerability
  - d. Attack
8. Which one of the following refers to the technique used for verifying the integrity of the message? CO4 K1
  - a. Digital signature
  - b. Decryption algorithm
  - c. Protocol
  - d. Message Digest
9. The full form of EDR is CO5 K2
  - a. Endpoint Detection and recovery
  - b. Early detection and response
  - c. Endpoint Detection and response
  - d. Endless Detection and Recovery
10. Lack of access control policy is a CO5 K2
  - a. Bug
  - b. Threat
  - c. Vulnerability
  - d. Attack

**Part B**  
**Answer ALL questions**  
**Each answer should not exceed 400 words or two pages**

**5 x 6 = 30**

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|--|--------|
| 11.a. Show how to protect the valuables from attacks<br>(or) | CO1 K3 |
| 11.b. Write a note on modelling the business process         | CO1 K4 |
| 12.a. Discuss about information assurance<br>(or)            | CO2 K5 |
| 12.b. Explain about access control                           | CO2 K3 |
| 13.a. What is service attack? Explain<br>(or)                | CO3 K4 |
| 13.b. Discuss application security                           | CO3 K4 |
| 14.a. Discuss the various security issues<br>(or)            | CO4 K5 |
| 14.b. Explain the policy review process                      | CO4 K4 |
| 15.a. Discuss about copyright?<br>(or)                       | CO5 K5 |
| 15.b. Explain about patent law                               | CO5 K3 |

**Part C**  
**Answer ALL questions**  
**Each answer should not exceed 800 words or four pages**

**5 x 12 = 60**

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|---|--------|
| 16.a. Explain in detail about information system components<br>(or) | CO1 K3 |
| 16.b. Explain about information system categories                   | CO1 K3 |
| 17.a. Describe cyber security risk analysis<br>(or)                 | CO2 K4 |
| 17.b. Explain intrusion detection                                   | CO2 K3 |
| 18. a. What is threat? Explain security threats in detail<br>(or)   | CO3 K4 |
| 18.b. Write a detailed note on risk management                      | CO3 K2 |
| 19.a. Discuss about IDS in detail<br>(or)                           | CO4 K5 |
| 19.b. Explain email security policies                               | CO4 K3 |
| 20.a. Explain briefly about intellectual property rights<br>(or)    | CO5 K3 |
| 20.b. Write a note on software licensing                            | CO5 K2 |

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