

Reg. No.

B.Tech. DEGREE EXAMINATION, NOVEMBER 2022

Sixth/ Seventh Semester

18CSE477T – SECURITY GOVERNANCE, RISK AND COMPLIANCE

(For the candidates admitted from the academic year 2018-2019 to 2019-2020)

Note:

- (i) **Part - A** should be answered in OMR sheet within first 40 minutes and OMR sheet should be handed over to hall invigilator at the end of 40th minute.
- (ii) **Part - B** should be answered in answer booklet.

Time: 2½ Hours

Max. Marks: 75

PART – A (25 × 1 = 25 Marks)

Marks BL CO PO

Answer ALL Questions

- | | | | | |
|---|---|---|---|---|
| 1. IT process and procedures are visualized as a sequence of activities through | 1 | 2 | 1 | 2 |
| (A) Activity chart | | | | |
| (B) Procedures | | | | |
| (C) Flow chart | | | | |
| (D) Structures | | | | |
| 2. Malicious code, natural calamities and accident falls under the category of | 1 | 2 | 1 | 6 |
| (A) Threats | | | | |
| (B) Attacks | | | | |
| (C) Worms | | | | |
| (D) Viruses | | | | |
| 3. The mechanism to monitor compliance in IT industry is referred as | 1 | 2 | 1 | 4 |
| (A) IT auditing | | | | |
| (B) IT policy | | | | |
| (C) IT compliance | | | | |
| (D) IT governance | | | | |
| 4. The approach that deals with industry best practices with safe guards and checklist | 1 | 2 | 1 | 3 |
| (A) Baseline approach | | | | |
| (B) Informal approach | | | | |
| (C) Industry approach | | | | |
| (D) Combined approach | | | | |
| 5. Creating a demand for a specific product over a season is referred as | 1 | 2 | 1 | 6 |
| (A) Internal risk | | | | |
| (B) External risk | | | | |
| (C) Social risk | | | | |
| (D) Technical risk | | | | |
| 6. A document issued by a recognized agency which deals with design and safety requirements relating to a specific product is | 1 | 2 | 2 | 5 |
| (A) Standard | | | | |
| (B) Policy | | | | |
| (C) Procedure | | | | |
| (D) Security guidelines | | | | |
| 7. A model that guides an organization to effectual process improvement is | 1 | 3 | 2 | 3 |
| (A) CMMI | | | | |
| (B) ISO | | | | |
| (C) IEEE | | | | |
| (D) US defense | | | | |
| 8. The process by which an organization contracts with an individual or company is defined as | 1 | 2 | 2 | 6 |
| (A) Vendor management | | | | |
| (B) Outsourcing | | | | |
| (C) Risk management | | | | |
| (D) IT governance | | | | |

9. Pick the framework which is created by ISACA for IT governance is
(A) COBIT (B) ITIL
(C) ZOCOVIT (D) VALIT 1 2 2 5
10. Online match for overseas is an example for
(A) Education and training segment (B) Legal services
(C) Health care services (D) Market research 1 2 2 4
11. Hazard and vulnerability assessment facts can be processed by
(A) Incident response plan (B) Business continuity plan
(C) Emergency response plan (D) Recovery plan 1 2 3 4
12. Formulating DNA is an example of
(A) Digital evidence (B) Cyber crime
(C) Attacks (D) Threats 1 2 3 2
13. Point out the factor in order the hacker gain access in the network
(A) Vulnerability (B) Attacks
(C) Threats (D) Viruses 1 2 3 6
14. The information technology that conceal an offence is termed as
(A) Cyber crime (B) Cyber space
(C) Cyber forensics (D) Cyber net 1 2 3 5
15. Flash drives data used as digital evidences can be grouped under
(A) Persistent data (B) Volatile data
(C) Covard data (D) Data with vulnerability 1 2 3 2
16. Identify the type of problem that is associated with cost benefit analysis
(A) Measurement problems (B) Security problems
(C) Asset problems (D) Memory problems 1 2 4 2
17. The primary point of contact for users when there is a disruption to manage the IT asset lifecycle is defined as
(A) IT operations management (B) Service desk management
(C) Software license management (D) Vendor management 1 2 4 6
18. An objective-driven procurement process that can systematically improve and evaluate purchasing activity is
(A) Strategic sourcing (B) Business outsourcing
(C) IT configuration management (D) Contract management 1 2 4 3
19. The lack of access to information and communication technologies by segments of the community is termed as
(A) Digital divide (B) Cyber bullying
(C) Netiquette (D) Socio economic 1 2 4 4
20. An intellectual property which is designed to protect the expression of idea is
(A) Publications (B) Patents
(C) Trade secrets (D) Copyrights 1 2 4 8

21. The theory that explains the intention of an individual to perform a given behaviour
(A) General deterrence theory (B) Theory of planned behaviour
(C) Security behaviour theory (D) Theory of thinking and planning 1 2 5 1
22. The solid methods of collecting security practices with less detail is termed as
(A) Base lining (B) Standards
(C) Policies (D) Procedures 1 2 5 5
23. The standards that guides incident response activity is
(A) ISO 27001 (B) ISO 27022
(C) ISO 27035 (D) ISO 27005 1 2 5 6
24. The process of improving awareness to protect system resources is
(A) ISO (B) NASA
(C) ISP (D) SETA 1 2 5 5
25. Choose the practice that deals with creating a fake scenario
(A) Pretexting (B) Phishing
(C) Fake cookies policy (D) Worming 1 2 5 4

PART – B (5 × 10 = 50 Marks)

Answer **ALL** Questions

- | | Marks | BL | CO | PO |
|--|-------|----|----|----|
| 26. a. Categorize technology risks and briefly explain the facts of each type. | 10 | 4 | 1 | 4 |
| (OR) | | | | |
| b. Illustrate steps to assess a risk that exist in a multinational corporation networks. | 10 | 3 | 1 | 2 |
| 27. a. Elaborate the guidelines of IT governance and explain the IT governance framework. | 10 | 3 | 2 | 1 |
| (OR) | | | | |
| b. Sketch out the principles of vendor management. | 10 | 3 | 2 | 6 |
| 28. a. Outline the various phases of systems security life cycle. | 10 | 3 | 3 | 3 |
| (OR) | | | | |
| b. Classify threats and brief each type in detail. | 10 | 4 | 3 | 4 |
| 29. a. Correlate all the process associated with cost-benefit analysis. | 10 | 4 | 4 | 2 |
| (OR) | | | | |
| b. Summarize the types of legal issues that exist in the modern society. | 10 | 4 | 4 | 8 |
| 30. a. Point out the importance in maintenance of policies and explain the types of security policies. | 10 | 4 | 5 | 4 |
| (OR) | | | | |
| b. Highlight the different ways to creating security awareness. | 10 | 4 | 5 | 6 |

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