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Question Paper Code	12660
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B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2024

Sixth Semester

**Computer Science and Business Systems
20CBPC602 - INFORMATION SECURITY**

Regulations - 2020

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

	Marks	K- Level	CO
1. What is availability?	2	K1	CO1
2. Define specification.	2	K1	CO1
3. Classify the goals of confidentiality policies.	2	K2	CO2
4. List out the Access control affects the function of the server in two ways.	2	K1	CO2
5. What are TSR viruses?	2	K1	CO3
6. Recall the acceptance of notifier.	2	K1	CO3
7. What are trusted hosts?	2	K1	CO4
8. Relate the analysis of trust in the system.	2	K1	CO4
9. Define security attacks.	2	K1	CO5
10. List the goals of security system.	2	K1	CO5

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11. a) Discuss about the role of Confidentiality and Availability in Information Security.	13	K2	CO1
OR			
b) Explain Risk Analysis with Laws and Customs in operational issues.	13	K2	CO1
12. a) Explain Certification Rule and Enforcement rule in Clark-Wilson model.	13	K2	CO2
OR			
b) Summarize the goals for Formal Evaluation in evaluation systems.	13	K2	CO2
13. a) Outline an intrusion detection system that can be organized in several ways.	13	K2	CO3
OR			
b) Compare the meaning of identity and trust in representing identity.	13	K2	CO3

14. a) Build a web server system in the DMZ. *13 K3 CO4*
OR
b) Explain user interface and high level design in framework. *13 K3 CO4*
15. a) Develop the categories of Security attacks. *13 K3 CO5*
OR
b) Organize the key components of database security and System-Level Security for Database Management. *13 K3 CO5*

PART - C (1 × 15 = 15 Marks)

16. a) Explain the access to roles and commands in the design. *15 K2 CO4*
OR
b) Infer the case study of common security related programming problems. *15 K2 CO4*