



QP Code: 224QP
Total No. of Pages: 2

Seat No.

January - February (Winter) Examination - 2023

Subject Name: B.C.A. (CBCS)_88234_88660_IT Security_05.01.2023_02.30 PM to 05.30 PM

Subject Code: 88234
(SEM-5)

Day and Date: Thursday, 05-01-2023
Time: 02:30 pm to 05:30 pm

Total Marks: 80

B.C.A. III
Instructions.:

1) Figures to the right indicate full marks

Special Instruction.:

1. Q. 1 and 6 are compulsory 2. Attempt any three from Q. 2 to Q. 5

Q.1. A) Select the correct alternative [20]

1. Compromising confidential information comes under _____
a) Bug b) Threat c) Vulnerability d) Attack
2. Phishing is a form of _____.
a) Impersonation b) Spamming c) Identify Theft d) Scanning
3. Which of these is an antivirus program type?
a) Kaspersky b) Quick heal c) McAfee d) All of the mentioned
4. Using the cipher algorithm, which of these types of text would be transformed?
a) Plain text b) Scalar text
c) Complex text d) Transformed text
5. Which of the following is considered as the unsolicited commercial email?
a) Virus b) Malware c) Spam d) All of these
6. What are the major components of the intrusion detection system?
a) Analysis Engine b) Event provider
c) Alert Database d) All of the mentioned
7. The Digital Signature Certificate under the IT Act, 2000 is issued by the _____.
a) Controller b) Certifying Authority
c) Appellate Tribunal d) Cyber Authority
8. Which of the following is true about firewall?
a) Firewalls are network-based security measures that control the flow of incoming and outgoing traffic
b) A firewall is a program that encrypts all the programs that access the Internet.
c) A firewall is a program that keeps other programs from using the network.
d) Firewalls are interrupts that automatically disconnect from the internet when a threat appears
9. Firewall is a type of _____.
a) Virus b) Security threat c) Worm d) None of these
10. Under which section of IT Act of 2000, updated in 2008, stealing any digital asset or information is considered as cyber crime?
a) 65 b) 66 c) 67 d) 68

B) Write a short answer of the following (Any 2)

1. Explain the term DoS attack.
2. What is Cryptography? Explain its types.
3. Discuss Cyber security standards in brief.

- Q.2. Define the terms threat and attack. List out the categories of security attacks. [10]
- Q.3. Define Information System Security and explain the Significance and Challenges of IT Security [10]
- Q.4. Discuss the various Control Measures used in IT Security. [10]
- Q.5. What is an IT Act 2000? Explain its features. [10]
- Q.6. Write a short note on (Any 4) [20]
1. Physical and Logical assets
 2. Cyber Crime
 3. Malicious Code
 4. Hacker
 5. Digital signature and certificate
 6. IS Audit



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