

<b>Name:</b>	 <b>UPES</b> <small>UNIVERSITY WITH A PURPOSE</small>
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**Online End Semester Examination, May 2021**

**Course: Information Safety**  
**Program: BCA**  
**Course Code: CSBC3003**

**Semester: VI**  
**Time: 03 hrs.**  
**Max. Marks: 100**

**Instructions:**

**SECTION A**

**1. Each Question will carry 5 Marks**

**2. Instruction: Complete the statement / Select the correct answer(s)**

S. No.		Marks	CO
Q1	<p>_____ is the practice and precautions taken to protect valuable information from unauthorized access, recording, disclosure or destruction.</p> <p>Select one:</p> <ul style="list-style-type: none"> <li>a. Network Security</li> <li>b. Information Security</li> <li>c. Database Security</li> <li>d. Physical Security</li> </ul>	<b>5</b>	<b>CO1</b>
Q2	<p>In which of the following, a person is constantly followed/chased by another person or group of several people?</p> <p>Select one:</p> <ul style="list-style-type: none"> <li>a. Phishing</li> <li>b. Bulling</li> <li>c. Stalking</li> <li>d. Identity theft</li> </ul>	<b>5</b>	<b>CO2</b>
Q3	<p>Which one of the following refers to the technique used for verifying the integrity of the message?</p> <ul style="list-style-type: none"> <li>a. Digital signature</li> <li>b. Decryption algorithm</li> <li>c. Protocol</li> <li>d. Message Digest</li> </ul>	<b>5</b>	<b>CO3</b>

Q4	What is the updated version of the IT Act, 2000? a. IT Act 2007 b. Advanced IT Act 2007 c. IT Act 2008 d. Advanced IT Act 2008	5	CO4
Q5	Cyber-laws are incorporated for punishing all criminals only. Is this statement true or false? a. True b. False c. Question is not appropriate d. None	5	CO4
Q6	Which of the following is not a type of peer-to-peer cyber-crime? a. Phishing b. Trojan c. Leaking Credit Card details d. MITM	5	CO2

**SECTION B**

- 1. Each question will carry 10 marks**  
**2. Instruction: Write short / brief notes**

Q7	Describe Information Security principles and goals.	10	CO1
Q8	Differentiate between DoS and DDoS with examples of each.	10	CO2
Q9	“Message encryption by itself can provide a measure of authentication”. Justify.	10	CO3
Q10	Explain RSA algorithm with proper example.	10	CO3
Q11	Discuss main features and sections of IT Act 2000.	10	CO4

**SECTION-C**

- 1. Each Question carries 20 Marks.**  
**2. Instruction: Write long answer.**

Q12.	Discuss following in detail: a) IT Audit process and control management b) ISO 27001, PCI DSS and HIPAA	20	CO4
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