

**DIRECTORATE OF DISTANCE EDUCATION
NALSAR UNIVERSITY OF LAW, HYDERABAD**

Advanced Diploma in Cyber Security & Data Protection Laws

Academic Year: 2021-2022

First Semester - End Semester –Take Home Examination (February, 2022)

Paper I - 1.1.1. Law of Cyber Security

TOTAL MARKS: 70

INSTRUCTIONS TO CANDIDATES

- a) Read the instructions for Take Home Examination carefully and adhere to the same.
 - b) *Please mention your name, ID No., subject name and total number of pages on the Answer Sheet.*
 - c) *Clearly indicate the question numbers while answering them.*
 - d) *Since this is a take home exam, we expect your answers to be analytical rather than straight answers.*
 - e) Copying from any source including from other students is strictly prohibited. Plagiarism is considered as a serious academic mis-conduct and the University will take action as it deems fit.
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Q.No. 1

a) What are the essential components of a “Digital Contract”? How does ITA 2000 and Indian Contract Act complement each other in structuring a Contract in Cyber Space?
(10 Marks)

b) What are Digital Signatures and how do they differ from E-Sign? Describe the role of Certifying Authorities and the Controller of Certifying Authorities in regulating the digital identity space in India?
(10 Marks)

c) A Bank sends a statement of account to its customer through e-mail in a Password protected PDF format without digital signature either for the PDF document or the e-mail. The PDF document does not contain any other form of signature and carries a foot note “This is an electronically generated document and does not require signature”. Discuss the admissibility of the document as evidence against the Bank with special reference to the authentication system used by the Bank.
(10 Marks)

Q.No. 2. A Company finds that all its critical electronic documents are found encrypted in a ransomware attack and the attacker has sent an e-mail demanding payment of 5 bitcoins (Worth Rs 30 lakhs) for releasing the decryption key. Company engages the services of an expert and traces the e-mail and the Police successfully arrest him. The Company is exploring under what sections of ITA 2000 can the complaint can be filed.

a) Does the Company have any civil remedy under ITA 2000 and if so under what cause of action? **(10 Marks)**

b) Does the Police have a criminal charge that can be pressed under ITA 2000/8 and if so under what grounds? What is the evidence? **(10 Marks)**

c) What could be the root cause for the attack? And what precautions the Company has to take to avoid such incidents in future? **(5 Marks)**

d) What is a “Bitcoin” and is there a legal risk for the company in making payment through Bitcoins? **(5 Marks)**

Q.No. 3. Write short notes on the following **(5 marks x 2 – 10 Marks)**

- a) Cyber terrorism
- b) Child Porn