

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2018

Course: Digital Crimes and Computer Law Course Code: LLBL 562 Semester: IX

Programme: B.Tech., (CSE), LL.B. (Hons.) Cyber Laws

Time: 03 hrs.

Max. Marks: 100

Instructions:

SECTION A

S. No.		Marks	CO
Q 1	Write Short Notes on the followings:		
a.	The Origins and Evolution of Cybercrimes.	2	CO1
b.	Denial of Service Attacks	2	CO2
c.	Any 2 characteristics of a Computer Crime	2	CO1
d.	Cyber crimes against women	2	CO4
e.	Ethics in cyberspace.	2	CO1

SECTION B

Q 2	Computers can be the target of a criminal activity, a storage place for data about a criminal activity and/or the actual tool used to commit a crime planning criminal activity, on this basis explain the major classification of Cyber Crimes.	10	CO3
Q 3	Modern society depends critically on computers that control and manage the systems on which we depend in many aspects of our daily lives. While this provides conveniences of a level unimaginable just a few years ago, it also leaves us vulnerable to attacks on the computers managing these systems. Illustrate the cyber threats and the new Issues and Challenges.	10	CO2

SECTION-C

Q 4	The nature of today's cybercrimes is highly granular, and there is a growing need for local law enforcement to develop the skills and perspectives to successfully investigate all forms of cybercrime. Police precincts nationwide face major challenges in dealing with cybercrime, suggesting the need for comprehensive structural transformation. Explain the Challenges that the prosecuting and investigating agencies encounter while dealing with Cyber Crimes.	10	CO3
Q 5	The cross-jurisdictional conflict of criminal laws raises the unavoidable dilemma of "what law should be applied to determine the legal effect of a person's conduct when he does an act in one state which produces harmful effects in another". Explain the jurisdiction theories with reference to Cyber Crimes.	10	CO1

SECTION-D			
Q6	<p>The government of India in one of its project was in the process of collecting Unique Identification details of the citizens between 2010-2016. During this period (2010-2016), there were no statutory procedure that regulated the enrolment, storage, and further use of identity information. Consequently, the fundamental rights of citizens were being violated through the collection, storage, and use of their personal data by the State and private entities in a legislative vacuum. There was no informed consent or such other procedural guarantees and safeguards as are essential if the State seeks to infringe the right to privacy by taking biometric details of the citizens Decide the legality of the process. Also decide whether there has been infringement of any fundamental right. Support your view with relevant case laws.</p>	25	CO4
Q7	<p>On an unfortunate eve, an instance of dacoity with murder took place at the home of Mr. Calder residing in village Doonga. The offenders have used the latest technology to commit the offence. You are also informed that the victims received threatening phone calls soon before the incident. At the crime scene, following major articles have been found-dead bodies, computer, laptop, 3 mobile phones. You are required to conduct an investigation of the crime scene. Local police have CCTV footage of the crime scene and suspicious email conversation between the victim and an anonymous guy where it clear that this guy through emails has collected the information about the whereabouts of the victim and used that information to commit the crime. You are required to imagine the scene as a Computer Crime Scene and suggest further plan of action, elucidating the Best model for dealing with electronic evidences. Also, list out the challenges that are faced during such an investigation and explain how have the courts in India addressed these issues.</p>	25	CO4

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SECTION A

S. No.		Marks	CO
Q 1	Write Short Notes on the followings:		
a.	Cyber crimes against juveniles	2	CO4
b.	Difficulties faced in Implementation of the laws relating to cyberspace	2	CO2
c.	Cyber Forensics	2	CO1
d.	Motives of committing a Cyber crime	2	CO1
e.	Cyber Ethics	2	CO1

SECTION B

Q 2	What are some of the reasons that crimes in a digital environment have to be dealt with in unconventional ways by law and law enforcement? What are the challenges faced by such agencies?	10	CO3
Q 3	With increased use of technology in organizations and rapid changes in technology cyber forensic process is also advancing into new ways. In this context, organizations also need to align their technological infrastructure to meet the challenges in conducting successful process of forensic investigations to attain maximum and desired benefits of it. In the light of above statement, explain the precautions and requirement to be undertaken while dealing with electronic evidence.	10	CO1

SECTION-C

Q 4	Analyze the major cyber threats and challenges in dealing with cyber crimes. List out possible measures to combat with them.	10	CO2
Q 5	The cross-jurisdictional conflict in the area of cyber laws has proved to be one of the major obstacles. How has this problem been addressed by the judiciary till now? Explain the jurisdiction theories with reference to Cyber Crimes.	10	CO3

SECTION-D

Q6	At 1:00 pm on a Wednesday in San Francisco, the local Office of Emergency Services and Homeland Security receives messages via a secure government computer system	25	CO4
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	<p>informing them that a “suitcase nuclear device” is on the Bay Area Rapid Transit (BART) system, the public transportation system that serves San Francisco and surrounding cities. The officials issue an immediate evacuation order for the San Francisco area. This produces chaos as panicked citizens desperately try to flee an impending nuclear disaster. People trying to flee by automobile clog the streets and accidents ensue; aside from anything else, this impedes people’s ability to leave the area and further increases their panic. Those who do not have vehicles cannot use the BART so they turn to other means of mass transit, such as buses; this produces a stampede for access to buses, in which the vulnerable are trampled. Some of those who do not have access to vehicles try to seize automobiles from their owners and drivers; this results in deaths and further injuries. Some of those who cannot find any means of leaving the city quickly take their own lives; others strike at out whoever or whatever is nearby. Death, injury, and property damage ensue but there is no impending disaster, no suitcase nuke. Terrorists hacked the government computer system and sent credible, fake messages, which the local officials reasonably believed. Study the given scenario and explain the offence committed with conceptual justifications.</p>		
Q7	<p>Informational privacy is a facet of the right to privacy. The dangers to privacy in an age of information can originate not only from the state but from non-state actors as well. We commend to the Union Government the need to examine and put into place a robust regime for data protection. The creation of such a regime requires a careful and sensitive balance between individual interests and legitimate concerns of the state. The legitimate aims of the state would include for instance protecting national security, preventing and investigating crime, encouraging innovation and the spread of knowledge, and preventing the dissipation of social welfare benefits. These are matters of policy to be considered by the Union government while designing a carefully structured regime for the protection of the data. Since the Union government has informed the Court that it has constituted a Committee chaired by Hon’ble Shri Justice B N Srikrishna, former Judge of this Court, for that purpose, the matter shall be dealt with appropriately by the Union government having due regard to what has been set out in this judgment. Identify the case and write a detailed note on any of the issue with regard to ‘online privacy’ dealt with under this judgement.</p>	25	CO4