

B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

January 2024 Semester End Main Examinations

Programme: B.E.

Branch: Computer Science and Engineering

Course Code: 22CS7HSCFI

Course: Cyber Law Forensics and IPR

Semester: VII

Duration: 3 hrs.

Max Marks: 100

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

UNIT - I

- 1 a) Describe each of the terms mentioned below with respect to IT Act2000 6
 - (i) Licence
 - (ii) Cyber Appellate Tribunal
 - (iii) Adjudicating officer
- b) The Public Provident Fund office, a Central Government run organization accepts online application forms for opening an account, as well as payment from its account holders, identify the section that gives legal validity for such a transaction and explain the section in detail. 8
- c) Create a scenario that reflects how a Cyber theft can be covered under the ambit of existing laws 6

OR

- 2 a) Analyze the factors that led to the emergence of Cyberlaw in India 6
- b) Raj dispatches an electronic record to Peter as per the scheduled date and time, but Peter insists that he has not received the same. Identify and explain the section that comes to the rescue of Raj. 8
- c) Cyber harassment is not covered under IT ACT 2000, Justify with an example. 6

UNIT - II

- 3 a) Identify and explain the uses, features and benefits of the tool that turns a personal computer into a diskette analysis tool and helps the computer forensic specialists and computer security specialists in their investigations 6
- b) In 2019, Bangalore police arrested a serial killer for the kidnap and murder of a 10-year-old boy. When digital forensic investigators examined the killer's computer, they recovered a document which he had used in planning his crimes. This was used as evidence that his actions were premeditated and was 8

Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.

one of the reasons why he was given the death penalty. List and explain in detail the services that Computer forensic provide which the forensics professionals would have used for successfully solving the case

- c) Analyze and explain the different types of Business Forensic Technology. **6**

UNIT - III

- 4 a) Differentiate between backup server using shared library and server-less backup solution with relevant diagrams. **6**
- b) In a Pharma company fraud a doctor was prescribing a particular banned medicine from this pharma to his patients. Since many patients showed peculiar symptoms a case was filed. The doctor was charged with a criminal case, his conviction was partially due to evidence that was found on his computer that showed he had been prescribing medicines from the banned pharma. Identify the type of evidence this comes to and also Analyze the five rules that need to be followed during the course of collecting electronic evidence. **8**
- c) Illustrate in detail the steps to be followed for controlling contamination of evidence. **6**

UNIT - IV

- 5 a) Can the inventor of new process of by-pass surgery claim a patent for new surgical method invented by him, justify your answer by specifying the sections of the Indian Patents Act. **6**
- b) List the steps involved in obtaining the patent and explain the procedure for registration of patent in detail. **8**
- c) Define Intellectual property and elaborate on the Marx's theory on Property. **6**

UNIT - V

- 6 a) A neurologist applies a patent for the cure of Parkinson's disease in new method and is granted, but a doctor from a private hospital uses this method claiming it to be his invention. Analyze as to how the neurologist can go ahead with the issue and describe in detail who has the right to institute a suit for infringement of patents. **6**
- b) Outline the statutory definition of Copyright. Analyze the characteristics of copyright as specified in Section 14 of the Copyright act 1957 in detail. **8**
- c) A Complete Specification can be amended once it has been filed. Analyze the conditions for which a complete specification can be amended in detail. **6**

OR

- 7 a) An author who published a book in the year 1990 expires in 2000. Till what time will the copyright on his work last. Identify the section that handles this issue and explain the different Sections with respect to the term of the copyright **6**

- b) A scientist in the council of Medical Research invents a painless method of removing cataract, he wants to file for patent and is in the process of writing specification. Analyze the contents of complete specification that he has to include before submitting it to the Examiners in the Controller's office. **8**
- c) Describe Substantial copying and Direct evidence of copying with respect to infringement of copyrights. **6**

B.M.S.C.E. - ODD SEM 2023-24