B.E. 8th Semester Theoretical Examination, 2022-2023
Subject : Cyber Law & Computer Ethics
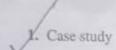### Course : OEC-HU-821(d)

Time : 3 Hours

Full Marks : 70

Answer Question No. 1 and any four (4) from the rest.
Answer all part-questions under same question No. in the same place.

1. Case study

   Vista is a large company that sells computers, computer components and software. Rahul is hired as an entry-level software engineer at Vista. His first project was to assist in writing the code for Vista's new hard disc controller. He had previously worked on a similar system interning at a start-up and had written a code which greatly enhanced the performance of their product. Rahul quietly re-uses this same code in the Vista product, and does not think to tell anyone that he has used the code from his last job. His manager is thrilled with the speed improvements this code brings to the product.

   Before the product is released, it has to undergo a four-month long quality assurance process review. During the review of the product, it was found the code which Rahul developed had been copyrighted by the start-up he had previously worked for. Even though Rahul had developed the code, his previous company still owned the intellectual property rights to it.

   When his manager informed Rahul of the problem, Rahul admits he did not realize he had made a mistake because he was not familiar with copyright laws. Rahul then goes on to explain that the start-up he used to work for is now out of business and is unsure if Vista would be able to get in contact with the owner of the copyright. If Vista can't use Rahul's code, then it will have to rewrite the entire code of the product, delaying its release by many months.

   (a) Who is/are responsible for the entire problem and why?   3

   (b) What measures should be taken by Vista to overcome this situation?   4

   (c) What's your suggestion to avoid occurrence such issues in future?   3

2. (a) What is 'cybercrime'? Discuss different categories of 'cybercrime' with suitable example.   5

   (b) Discuss any five types of cybercrime and their impact over individual/organization/society.   10

3. (a) What do you mean by cyber law? Do you think that study of cyber law is important for CSE/IT professionals? Endorse your view.   7

   (b) Define 'digital signature' and 'electronic signature' as per section 2 of the Information Technology Act, 2000. What are the consequences for publishing false digital signature certificate?   8

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4. (a) What do you mean by computer ethics? What are the major issues in Computer ethics?   7

   (b) Write down the tenets of the code of ethics as defined by the Institutions of Engineers (India).

8

5. (a) What do you mean by Intellectual Property Right (IPR)? Why IPR is important in present context?

7

   (b) Discuss different forms of online copyright violation.   8

6. (a) What do you mean by green computing? What are the major approaches to green computing?

7

   (b) What is trademark? What are the different forms of infringement of trademark through cyberspace?

8

7. Write short notes on *any three* from the following: 5×3

   (a) Internet Censorship

   (b) E-contract

   (c) WIPO

   (d) Ethical Hacking

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