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KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2022/2023 ACADEMIC YEAR
SECOND YEAR, SECOND SEMESTER EXAMINATION
FOR THE DEGREE OF BACHELOR OF BUSINESS
INFORMATION TECHNOLOGY

Date: 20th April, 2022
Time: 8.30am –10.3am

KBA 2215 - BUSINESS AND INFORMATION LAW

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

Read the following excerpt carefully and answer the questions that follow

The electronic company makes electric components for military and professional markets. It has a very good reputation and is very much the market leader in many of the market segments it serves. Quality has been the major reason for success. The company is based in USA and had a UK sales office, which is where this event happened. The company was very pleased to have won a very large and profitable order for some of its components. The components were to go into dosimeters; a form of Guiger Counter that is used by the military to assess whether or not someone has been irradiated. Several of these dosimeters were also bound for non-military specification and were hermetically sealed. The quality of this sealing was tested using specialized test equipment because if the seal was broken, the performance of the component could be affected and the reading given by the dosimeter made inaccurate; thus someone who was irradiated could be shown as being OK and not given any treatment, and someone who was perfectly OK could be told that has been irradiated and treated accordingly.

The components arrived and were immediately rejected by the customer. They were too big to fit in the dosimeter box. The correct action could have been to send the parts back to the factory, but this would take time. The company resolved to solve the problem by making the parts smaller. This was done by issuing all of their sales office employees (none of whom were trained engineers), with sharp knives and emery boards. This worked and the parts were now smaller to fit. It was then pointed out that there was now a question over sealing would the parts be water-tight now that they had been modified? Really, they needed to be tested but this again took time that they did not have. A quick phone call to the quality department in the USA suggested that the way to test them was to boil the parts in water and watch for air bubbles. One of the employees of the company had recently purchased a large gas oven and so it was agreed that the parts should be boiled in the hob of the oven and he and his wife (who was a professional caterer) should watch for any air bubbles. None were found so the parts were dully shipped to the military and nuclear power stations. They are still out there.

- a) If you were the CEO of this company, what action would you have taken? (5 Marks)
- b) Using a specified approach state, the process creating an electronic signature. (10 Marks)
- c) Discuss the benefits to using digital signatures in an company. (5 Marks)
- d) Discuss offences and penalties included in the I. T. Act 2000. (10 Marks)

QUESTION TWO (20 MARKS)

- a) What is Cybercrime and cyberspace. (4 Marks)
- b) State and explain the best Tools for Enterprise Cyber Defense. (6 Marks)
- c) Discuss various categories of Cybercrimes and explain its implications in our society. (10 Marks)

QUESTION THREE (20 MARKS)

- a) What are Trojans and Spyware. (4 Marks)
- b) A strong cyber-ecosystem has three symbiotic structures. State and explain the structures. (6 Marks)
- c) Mention some tips to prevent cyber-crimes. (10 Marks)

QUESTION FOUR (20 MARKS)

- a) Proactive cybersecurity risk mitigation is quickly becoming the only option for organizations as the likelihood of experiencing a cyber-attack. In detail discuss the top strategies for mitigating cybersecurity incidents across your IT ecosystem. (10marks)
- b) Briefly describe the Salient Features Of The I. T Act in relation to information law (10 Marks)

QUESTION FIVE (20 MARKS)

- a) Discuss activities which are covered by the intellectual property rights as laid down by the World Intellectual Property Organization (WIPO) (10 Marks)
- b) Securing the correct protection for your property is important, which is why consulting with a lawyer is a must. List and explain with their merits the four categories of intellectual property protections. (5 Marks)
- c) In detail discuss Security features and methods used in digital signatures. (5 Marks)