**UECS3313**

**Computer Ethics and Professional Responsibility**

**Tutorial 4**

**Intellectual Property**

1. Explain the basic motivation behind the need to provide legal protection for intellectual property and state the benefit to the individual and society as a result of such protection.
2. State the exclusive rights granted to copyright holders, and comment on the duration of this copyright.
3. State three reasons why copyright violation is not as ethically damaging violation of property rights.
4. State 6 technological developments that provide major challenges to enforcing copyright protection.
5. Explain the basic idea behind the fair use doctrine and state the 4 principles that court use in deciding whether fair use occurs in lawsuits involving copyright infringements.
6. Give 3 sample situations which qualify for permissible use of copyrighted material under the fair use doctrine.
7. Consider a large file hosting website which allows users from all over the world to upload and download files of all types, including files that violate copyright. State the 3 major considerations that courts have taken into account about such sites when siding with entertainment companies that execute a copyright infringement lawsuit against them.
8. Explain in detail what how the GNU General Public License (GPL) implements copyright.
9. State 2 rights that a patent exclusively entitles the patent holder to.
10. Provide 3 arguments against the recognition and granting of software patents.
11. Consider the following cases below and analyze whether the use of copyrighted material as detailed in them is permissible in accordance with the fair use principles. Provide justifications for your answer.
12. A political group organizes a forum on its website and encourages people to post selected portions from newspaper articles relevant to political issues of concern to the group. Participants then engage in debate over these highlighted portions.
13. While browsing through Google search images, a graphic designer chances upon an interesting design from a company that designs logos for websites. He downloads the image, modifies it using image editing software so that it includes a comical reference to a relevant social issue. He prints the modified image on t-shirts which he subsequently sells for a large profit.
14. A major search engine company initiates a project intending to make the knowledge contained in library books as widely available as possible. It scans millions of books in libraries all over the world, without obtaining permission from the copyright holders. It does not display the entire contents of these books online. Instead it, limits search results from users to a few relevant sentences or a paragraph in a book. It then provides links to external online bookstores for users to purchase this book.
15. A software support company provides software maintenance service. Many of its clients use a particular complicated application, for which they frequently turn to this company for support on. The company makes a copy of this application without purchasing the license for it, but only utilizes this copy for the purposes of helping it to understand the application better in order to provide better service for its clients. It does not use this application for the original purpose that it was designed for.
16. Your uncle owns candy shop. He asks you to write an inventory program for him. You are glad to help him and do not charge for the program. The program works pretty well, and you discover later that your uncle has given copies to several friends who also operate small food shops. Do you believe your uncle should have asked your permission to give away your program? Do you believe the other merchants should pay you for the copies?