

## CS\_130. Professional Issues I: Computers and Society

### 1. Similarities:

- (a) When a letter is posted the sender implicitly enters into a contract with the postal service, protecting their mail from interference. By entering into an ISP subscription the user is explicitly entering into a similar arrangement. **[2 marks]**
- (b) The telephone company is not held responsible for the conversations that their lines carry. **[2 marks]**

### Differences

- (a) It is not feasible to check the postal service for its content without physically opening the letters. It is (at least) possible to check the content of an ISP without damaging it. **[2 marks]**
- (b) The postal service is not, in general (junk mail excepted) a mass communication service. By the time an ISP had detected and removed some content it could already have been downloaded by large numbers of people. **[2 marks]**

Any reasonable ideas are acceptable, the above are given as examples.

- 2. (a) Financial: Turnitin are using the essay to make money. Adrian is the creator of the essay and deserves payment for his work.
- (b) Legal: Creators of work are normally protected by copyright laws.
- (c) Social: It is not socially acceptable to “cheat”. Students are being protected from cheats by Turnitin.
- (d) Architecture: The Internet makes “essay mills” easy to help students to cheat and gain unfair advantage.

Any good points are acceptable. The above are given as examples. **[1 mark]** for each point.

- 3. In the twentieth century war involved huge armies, frequently conscripted, or drafted. Modern day technological warfare is generally fought by highly skilled, expensively trained armies, thus affecting the general population less (in a direct way).

Weapons are now highly accurate, so tend to kill the targets, and carry a far less danger to civilians. In the twentieth century mass bombing of cities caused massive civilian deaths.

Future warfare is likely to target the enemy’s technology, rather than attempting to occupy their territory.

The above Points are given as examples only. Any sensible points are acceptable. **[1 mark]** for each argument, maximum of **[8 marks]**

- 4. (a) Most things today cost money. Having a bank account or credit card requires giving details of address, income etc.
- (b) Almost impossible to access the Internet without giving billing details to the ISP.
- (c) To drive a car (legally) requires a driving licence.
- (d) It is very difficult to travel outside one’s own country without a passport.
- (e) To access home utilities such as gas, electricity etc. it is necessary to give at least a home address.

The above answers are just examples. Any reasonable examples permitted. Maximum **[1 mark]** each.