MODULE I IMPACTS AND THE LAW · I1

Ethical and privacy impacts of digital technology

Original practice questions · 22 marks · ~25 minutes · OCR J277 spec 1.6.1

Name _____ Date _____

Instructions. Answer all questions in the spaces provided. The marks for each part are shown in brackets [ ]. The total for this worksheet is **22 marks**. Question 5* is marked on the quality of your extended response: aim to spend about 10 minutes on it.

1

Total: 3 marks

(a) State what is meant by an **ethical issue** in the use of digital technology. **[1]**

(b) A smartphone app can collect personal data about the person using it. **[2]**
Give **two** types of personal data that the app could collect.

1

2

2

Total: 4 marks

(a) Tick (✓) **one** box in each row to show whether each statement is true or false. **[4]**

Statement	True	False
A use of technology can be legal but still be unethical.		
Cookies can be used to build up a profile of a person's interests from the websites they visit.		
Once a person has agreed to an app's terms and conditions, the app cannot cause them any privacy issues.		
When a person deletes a photo they shared online, every copy of that photo is also deleted.		

3 **Total: 4 marks**

A company makes a fitness wristband. The wristband records the wearer's heart rate and sleep, and uses GPS to record the route of every run, including where each run starts and finishes. This data is uploaded to the company's servers. The company plans to sell the data, with each wearer's name attached, to other organisations such as health insurance companies.

(a) Explain **one** privacy issue for the wearers caused by this plan. **[2]**

(b) Explain **one** way, other than a loss of privacy, that this plan could harm the wearers. **[2]**

4 **Total: 3 marks**

An employment agency uses an artificial intelligence (AI) program to read job applications and decide which applicants are invited to an interview. The program learned how to make these decisions from the agency's past hiring decisions. No member of staff checks the program's decisions.

(a) Explain **one** ethical issue of using this program to make these decisions. **[2]**

(b) Give **one** benefit to the agency of using this program. **[1]**

5*

Total: 8 marks

A parcel delivery company wants to monitor its delivery drivers more closely. It plans to:

- fit every van with a GPS tracker that records the van's location every minute
- fit a camera inside every van that records the driver for the whole working day, including breaks
- record how long each driver spends at each delivery address.

Managers will be able to watch all of this data live, and the company will store it.

Discuss whether the company should go ahead with this plan. **[8]**

In your answer you should consider:

- ethical issues
- privacy issues
- who benefits from the plan and who could be harmed by it.

Total for this worksheet: 22 marks