

Question

1) The Data Protection Act (DPA) 2018 requires organisations who store data about people to follow strict rules.

a) State **three** principles of the DPA. [3]

b) State **three** rights of the Data Subject under the DPA. [3]

c) Discuss the consequences of an organisation not following the rules in the DPA. [8]

2 UK law allows owners of private telecommunication systems to intercept and monitor communications within that system.

a) Describe **three** examples of data that an employer might want to monitor. [3]

b) Explain why an employee might not be happy about their communications at work being monitored. [2]

c) Explain why an employer might want to monitor communications of their employees. [2]

3) Discuss the benefits and risks of wearable technology. [8]

4) Discuss the ethics of a government using investigatory powers to access personal data. [8]

5) The Computer Misuse Act makes it illegal to hack an electronic device.

a) Define the term 'hacking'. [1]

b) Explain why a law cannot stop a hacker from gaining access to a computer system. [2]

6) Explain **two** ways a hacker could gain access to personal data using a wireless network. [4]

Note: 8 mark questions will be assessed using the mark scheme below:

Level	Description	Mark Range
3	Answer demonstrates a thorough knowledge and understanding of a wide range of considerations . The answer is generally accurate and detailed . Knowledge and understanding is applied consistently to the context provided. Examples will be explicitly relevant to the explanation. The answer weighs up both sides of the discussion and includes reference to the impact on all areas showing thorough recognition of influencing factors . There is a well-developed line of reasoning which is clear and logically structured . The answer is relevant and substantiated .	6-8
2	Answer demonstrates a reasonable knowledge and understanding of a range of considerations . The answer is generally accurate but at times underdeveloped . Knowledge and understanding is applied directly to the context provided although one or two opportunities are missed . Examples will be implicitly relevant to the explanation. The answer includes reference to the impact on most areas showing reasonable recognition of influencing factors . There is a line of reasoning with some structure .	3-5
1	Answer demonstrates a basic knowledge of considerations with limited understanding . The answer contains inaccuracies and is basic . Limited attempt to apply knowledge and understanding. There is an unsupported assertion . There is no structure and information is basic .	1-2
0	No creditworthy answer	0

Your answer to discussion questions should:

- be detailed enough to demonstrate your knowledge of the topic area
- use examples of real-world use of computing relevant to the topic area
- be accurate
- consider different points of view
- consider the effects of computing for that topic area on individuals, organisations and society in general

GCSE Computer Science - Chapter 5-2 - Question Template

- be structured with an introduction, paragraphs for each discussion and a conclusion