Solutions

Marking: **M1** a correct method, **A1** the correct answer, **B1** an independent mark.

Each answer shows the steps, then the **result**.

2.1

concept: identity; context: cultural; content: artificial intelligence; command term: discuss

2.2

a named platform, organization or event; a place and a date; a specific detail or number, e.g. "In 2018 it was revealed that Cambridge Analytica had gathered data from up to 87 million Facebook profiles, which was used for political advertising."

2.3

impact: an effect that has happened on a stakeholder, e.g. students without home internet cannot complete homework; implication: what might follow, e.g. the gap in results between rich and poor students may widen over time

2.4

for each of three stakeholders: named with a clear impact; e.g. riders: pay and hours set by an algorithm they cannot see; customers: faster, cheaper delivery; restaurants: more orders but high commission; the platform company: control and profit; cities: more traffic and road safety risks

3.1

Mark with the markbands: [9-10] focused on the question, accurate content, a real-world example in detail, concepts used, impacts and implications weighed, a reasoned conclusion; [6-8] mostly focused, a relevant example, some analysis of impacts; [3-5] some relevant knowledge, mostly description; [1-2] little understanding. Points that may be included: explains facial recognition in outline; a real-world example in detail, e.g. San Francisco's ban (2019); police use in other cities; impact on the state: a powerful tool to find suspects; impact on citizens: privacy and freedom of assembly at risk; tracking of protesters; errors and bias against some groups; implications: chilling effect on protest; laws and bans; a reasoned conclusion

3.2

a real-world example in detail, e.g. advertising profiles, social media data, school learning apps; first implication explained with the concept of identity, e.g. people are sorted into categories that shape the ads and content they see; second implication explained, e.g. people change how they present themselves because they know they are watched