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Name: _____

Class: _____

Chapter 4 Issues in information systems

Section	Number of questions	Number of questions to be answered	Number of marks	Marks achieved
A	15	15	15	
B	5	5	25	
Total			40	

Grade: _____

Scale:

A+	36–40	A	32–35	B	28–31	C	24–27	D	20–23	E	11–19	UG	0–10

INSTRUCTIONS

Write your **name** and **class** in the space provided above. All written responses must be in English.

MATERIALS

- Question book of 7 pages.
- Students are permitted to bring into the examination room: pens, pencils, highlighters, erasers, sharpeners and rulers.
- Students are **NOT** permitted to bring into the examination room: blank sheets of paper and/or white out liquid/tape.
- Calculators are **NOT** permitted in this examination.
- Students are **NOT** permitted to bring mobile phones and/or any other unauthorised electronic devices into the examination room.

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Section A

Multiple-choice questions

> **INSTRUCTIONS FOR SECTION A**
> - Circle the correct answer in pencil for multiple-choice questions.
> - Choose the response that is **correct** or that **best answers** the question.
> - A correct answer scores 1 and an incorrect answer scores 0.
> - Marks will **not** be deducted for incorrect answers.
> - No marks will be given if more than one answer is given for a question.

1 Intellectual property is:

   A contained in university buildings.

   B any place where ideas are created.

   C within books.

   D an original creation of the mind.

2 A stakeholder is:

   A any person who stands to benefit from an issue.

   B any person who stands to suffer because of an issue.

   C any person who is affected by an issue.

   D any person who has invested money in an issue.

3 Use of social media, such as Facebook, may be a significant issue because:

   A cyberbullying is increasing.

   B it is very expensive.

   C people waste their work hours on it.

   D the Facebook corporation is making huge profits.

4 Increasing technology use in industry may be a social issue because:

   A technological costs are high for companies.

   B unemployment is rising.

   C people are suffering damage to their eyes from staring at monitors all day.

   D modern workers are not getting enough exercise.

5 For farmers, increasingly automated technology in machinery may be a difficult issue because:

   A they must spend time reading user manuals.

   B it is difficult to maintain automated technology themselves.

   C they have more free time to spend with their families.

   D they can no longer enjoy getting their hands into the dirt.

6 E-commerce may be an issue to local retailers because:

    A their staff have more time off.

    B they can reach a much wider customer audience.

    C they have to learn how to create websites.

    D they may lose business to foreign traders.

7 The internet is an issue for the publishers of printed newspapers and magazines because:

    A sales are falling.

    B employees waste time surfing the internet during working hours.

    C readers on the internet do not get a well-rounded coverage of the news.

    D they have to work harder to stay up-to-date with the news.

8 Phishing involves:

    A sending viruses in email.

    B scammers gaining a victim's login information by pretending to be from a trusted organisation.

    C attacking a victim's computer.

    D 'hooking' a victim by offering a good download, but actually infecting their computer.

9 Identity theft is an issue because:

    A criminals can pretend to be the victim and empty their bank accounts.

    B kidnapping is illegal.

    C victims may not be able to prove who they are.

    D victims have to pay criminals to get their identities back.

10 Bank ATM users should be wary of:

    A phishing.

    B distributed denial of service (DDos) attacks.

    C card skimming.

    D Trojans.

11 Which Victorian legislation protects the information a patient gives to their doctor?

    A *Privacy Act 1988*

    B *Copyright Act 1968*

    C *Health Records Act 2001*

    D *Medical Protection Act 2016*

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12 An issue related to websites with product reviews is that:

    A manufacturers could lose sales if their products get bad reviews.

    B many reviews contradict each other and it is confusing who to believe.

    C they take so long to read, and they are really boring.

    D 'fake positive' reviews may be posted by people paid to promote a product.

13 When seeking reliable information, a researcher would most likely trust:

    A information from friends and family.

    B Wikipedia.

    C primary sources.

    D secondary sources.

14 Which of the following is a secondary source of data?

    A An interview you conduct

    B A newspaper

    C Personal observation

    D A questionnaire you write

15 When collecting data, using an interview method is good because:

    A you can change questions based on previous answers.

    B they are quicker than questionnaires.

    C they are faster than surveys.

    D it is easier to treat the interview data statistically.

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Section B

Short-answer questions

INSTRUCTIONS FOR SECTION B

Answer **all** questions in the spaces provided.

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1 A researcher wants to gather detailed, deeply personal information of the feelings of game players regarding violent video games.

    a Name the best method for gathering such information and classify the data it gathers as primary or secondary.

          (2 marks)

    b Justify your choice of method.

          (4 marks)

2 The same researcher from Question **1** believes that the information she gets from her subjects is not entirely honest regarding their behaviour after playing violent games. She wants to determine whether their self-reporting about their post-gaming behaviour is accurate.

    Suggest a method for collecting this data. Justify your choice. Suggest three things she could do to ensure the collected data is valid.

          (5 marks)

3 Dr Siddhartha, a researcher, wants to gather information on people's attitudes to online gambling, which he hypothesises badly affects Victorian families. He wants to gather information from as many people as possible in as many locations as he can across Victoria. He needs to obtain this data quickly and process it easily statistically.

a Suggest a data-gathering method that Dr Siddhartha should use, and justify your choice.

(3 marks)

b The doctor has a choice between collecting the data online, and collecting it using pen and paper. Which should he choose, and why?

(2 marks)

4 a Explain two important reasons to reference the sources used in your research.

(4 marks)

b Outline one major consequence of failing to reference your sources fully and properly in an academic publication.

(1 mark)

5 Identify what 'data integrity' means and how it can be achieved.

(4 marks)