

5.5 Legal and Ethical Concerns

Name: _____ Class: _____ Date: _____

Total: 9 marks

Objective

Build the skills to answer exam questions on **legal and ethical concerns**.

You must be able to:

- explain how **intellectual property** 知识产权 and **copyright** 版权 protect a creator's work
- describe how a **Creative Commons** 知识共享 or open-source license grants permission
- identify **ethical** 伦理 concerns of collecting and using personal data
- explain the difference between using material **legally** and **ethically**

1 Worked examples

Study these first. Each one shows the method for a question type used later.

■ Protecting creative work

Copyright and **intellectual property** protect the work of a creator, so others cannot use it freely without permission.

■ Licenses

A **Creative Commons** or **open-source** license **grants permission** to use others' work under stated conditions (such as giving credit).

■ Legal vs ethical

Something can be **legal** but still raise **ethical** concerns (e.g. collecting personal data). Developers have responsibilities toward **privacy** and honest use of others' work.

2 Practice

2.1 State what copyright protects.

[1]

2.2 State what a Creative Commons license does.

[1]

2.3 State the difference between using material legally and using it ethically. [2]

3 Exam-style questions

3.1 Copyright protects the [1]

- A hardware
 - B work of a creator
 - C Internet itself
 - D processor
-

3.2 A Creative Commons license [1]

- A blocks all use of a work
 - B grants permission to use a work under conditions
 - C deletes files
 - D encrypts data
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3.3 A student copies an image into a school project.

(a) Name what protects the original creator's work. [1]

(b) Name a license type that might permit reuse. [1]

(c) State one responsibility toward others' work. [1]

4 Go further

- work through the **5.5 Legal and Ethical Concerns** lesson on the **Learn** page;
- read the **Impact of Computing** section of the AP Computer Science Principles handout on the **Know** page.

Solutions

2.1 the work of a creator (their original creative work).

2.2 it grants others permission to use the work under stated conditions.

2.3 legal use follows the law; ethical use also respects fairness, privacy, and honesty even where the law allows it.

3.1 B.

3.2 B.

3.3 (a) copyright (intellectual property). (b) a Creative Commons or open-source license. (c) credit the creator and respect the license terms.