



# Sample Exam

Course: Introduction to Everything  
Date: 2025-10-26

1

Student ID

Student name

Instructions

• **ID:** Use one character (A-Z, 0-9) per box.

• **Answers:** Completely fill the box of your chosen answer.

Correct:

Incorrect:

• **Corrections:** Use correction fluid to erase mistakes.

Signature

	A	B	C	D	E
1	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
2	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
3	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
4	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>





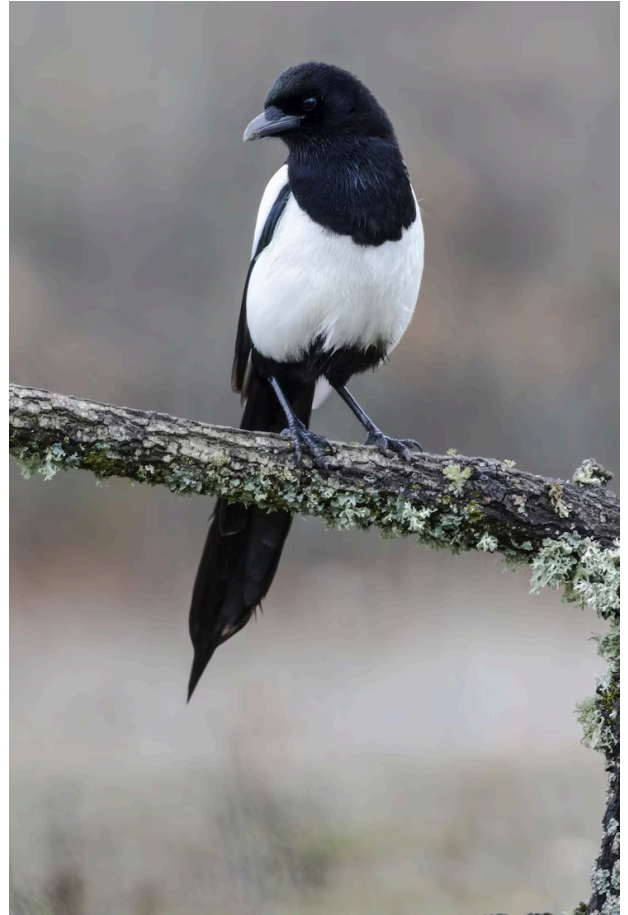
1. What is the output of the following Python code?  
`x = [1, 2, 3]`  
`y = x`  
`y.append(4)`  
`print(x)`

- A) A `SyntaxError` is raised.
- B) `[1, 2, 3, 4]`
- C) `[1, 2, 3, [4]]`
- D) `[1, 2, 3]`

2. Which of the following is NOT a primary color?

- A) Green
- B) Yellow
- C) Blue
- D) Red

3. What animal is shown in the image below?



- A) A fish
- B) A bird
- C) A cat
- D) A dog

4. What is the value of the following integral?

$$\int_0^{\infty} e^{-x^2} dx$$

- A)  $\sqrt{\pi}$
- B)  $\frac{\sqrt{\pi}}{2}$
- C)  $\frac{\pi}{2}$
- D)  $\pi$