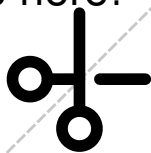


Do not
write here!



Name:

Perm Number:

1
e01
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Exam: e01 The Exam

- Use a **DARK** pen or pencil, and write **INSIDE** the answer boxes provided.
- Write your name and perm number **CLEARLY** at the top of **EVERY** page, inside the boxes provided.
- No collaboration allowed, no electronic devices, no messenger pigeons.
- Please locate the nearest emergency exit. In some cases, your nearest exit may be behind you.

Exam Questions:

1. [10 points]

Considering the fact that

$$e^{i\pi} + 1 = 0 \quad (1)$$

and that the total entropy of an isolated system can never decrease over time, what is your favorite color? Please explain your reasoning and any assumptions made.

Answer:

2. [10 points]

If you could only chose one, which animal would you pick to have during the zombie apocalypse? Only observable species (non-extinct) allowed. Keep in mind, this is an a long-term apocalypse scenario, there is no cure in sight.

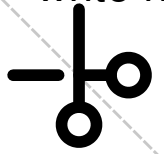
Answer:

2
e01
CS123 S19

Name:

Perm Number:

Do not
write here!



3. [15 points] True or false (write T or F in the box):

- (1) ☐ If you are on fire, you should: stop, drop, and post to social media.
- (2) ☐ People actually slow down when they are driving and see a yellow light.
- (3) ☐ Mammoths were still around when the Egyptian pyramids were being built.
- (4) ☐ Vending machines kill more people than sharks.
- (5) ☐ Ukuleles sound great in heavy metal bands.
- (6) ☐ You are more likely to win the lottery than to become the President.
- (7) ☐ The national animal of Scotland is a unicorn.