

## SCOP Novice 13

# Round 3

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### Tossups

- 1) **In a famous example of this leader's re-writing of history, the head of the NKVD was completely airbrushed out of a photo taken next to this man, two years after orchestrating his Great Purge. After his death, the excesses of this man's rule were criticized in a (\*) "Secret Speech" given by Nikita Khrushchev. The Yalta Conference was hosted by, for ten points, what dictator of the Soviet Union who, in 1924, succeeded Vladimir Lenin?**

ANSWER: Joseph Stalin (accept Joseph Vissarionovich Stalin; accept Ioseb Besarionis dze Jughashvili)

- 2) **The protagonist of this novel travels to New Mexico, where he witnesses "natural born people", diseases, and the aging process for the first time. People in this novel are divided into castes, such as (\*) Gammas and Epsilons, based on labor and intelligence. This novel's protagonist's mother has an affair with Popé poh-pay, who gives her Mescal to replace the drug soma. Aldous Huxley wrote, for ten points, what dystopian novel about Bernard Marx, which takes place in the year 632 After Ford?**

ANSWER: Brave New World

- 3) **An A24 film by this director focuses on Christine McPherson and her boyfriend Kyle, played by frequent collaborators Saoirse Ronan [SUR-sheh Ronan] and Timothée Chalamet [Timothy SHALL-ah-may]. This director cited the line "Yay, space!" as their favorite moment in a 2023 film that featured Rhea Perlman as (\*) Ruth Handler, Michael Cera as Allan, and Dua Lipa, Kate McKinnon, Issa Rae, and Margot Robbie as the title character. For ten points, name this director of *Lady Bird*, the 2019 *Little Women*, and the 2023 hit *Barbie*.**

ANSWER: Greta Gerwig (accept Greta Celeste Gerwig)

- 4) **Milankovitch cycles should predict that these events happen every forty-thousand years, but existing evidence suggests a gap of one-hundred-thousand years instead. Some scholars have cited a (\*) "Little" one of these events from roughly 1400 to 1800 as the cause of high-density wood that made Stradivarius violins sound so good. The tilt of the Earth farther away from the Sun plays a role in, for ten points, what geologic time periods in which global temperatures drastically drop?**

ANSWER: ice age

- 5) **In *Civilization and Its Discontents*, this thinker suggested that immutable instincts create conflict between individuals and society. This psychologist described “Thanatos,” or self-destructive “death drives” in his work (\*) *Beyond the Pleasure Principle*, which introduced this man's three “psychic apparatus” of the superego, ego, and id. For ten points, name this Austrian psychologist who wrote *The Interpretation of Dreams*.**

ANSWER: Sigmund Freud (accept Sigismund Schlomo Freud)

- 6) **This author reflected on his time in Myanmar in the essay “Shooting an Elephant” and the novel *Burmese Days*. Novels by this author introduce the slogans “war is peace / freedom is slavery / ignorance is strength” and (\*) “four legs good, two legs bad.” This author parodied communist revolutionaries in Russia with a ruling class of pigs in one novel and described a society ruled by Big Brother in another. For ten points, name this author of *Animal Farm* and *Nineteen Eighty-Four*.**

ANSWER: George Orwell (accept Eric Arthur Blair)

- 7) **This battle's ambush was set up by a deception involving a broken water filtration system at a location called “AF” in the JN-25b code that the victors had cracked. Although the *Yorktown* was lost in this battle, it was otherwise a massive victory for the U.S. (\*) Pacific fleet. The second-largest airport serving Chicago is named for, for ten points, what naval battle where, just six months after Pearl Harbor, the U.S. sank four Japanese aircraft carriers in the central Pacific Ocean?**

ANSWER: Midway (accept Battle of Midway)

- 8) **This goddess was nicknamed Despoina and was worshipped alongside her mother in the Eleusinian Mysteries, initiations that promise a happy afterlife. This goddess was called Kore as a goddess of growth. This goddess lived part of the year with (\*) Demeter and part of the year with her husband because she ate pomegranate seeds in his domain. For ten points, name this Greek goddess of spring and queen of the underworld.**

ANSWER: Persephone (accept Kore before it is read)

- 9) **Frank Lloyd Wright designed a building of this type, called the Illinois, that would have had seventy-six elevators. Louis Sullivan became the “father” of these buildings by designing ones like the Wainwright Building using (\*) steel frames instead of load-bearing masonry, which let these buildings have more floors than earlier structures. For ten points, give the term for a building that saves space in dense urban areas by being very tall and that, in the modern day, is taller than a high-rise.**

ANSWER: skyscraper (prompt on “tower;” do not accept or prompt on “high-rise”)

- 10) **This adjective names a theory that models gasses as randomly-moving particles undergoing elastic collisions. As a noun, this word names the general study of chemical reaction rates. In physics, this adjective describes a quantity equal to one-half times the (\*) mass times the square of the velocity of an object. For ten points, name this adjective from physics that describes the energy of a moving object, contrasted with the potential energy of an object at rest.**

ANSWER: kinetic (accept kinetic theory of gasses; accept chemical kinetics; accept kinetic energy)

- 11) **This poet laments “we were England’s, still colonials” in a poem that begins, “The land was ours before we were the land's.” In another poem, this author says, “The woods are lovely, dark and deep,” but declares there are “miles to go before I sleep.” This poet recited “The (\*) Gift Outright” at the inauguration of J.F.K., and wrote a poem in which “two roads diverged in a yellow wood.” For ten points, name this American poet of “Stopping By Woods on a Snowy Evening” and “The Road Not Taken.”**

ANSWER: Robert Frost (accept Robert Lee Frost)

- 12) **Possibly the most famous one of these objects is graphed by the function “ $f$  of  $z$  equals  $z$  squared plus  $c$ .” These objects are named for the fact that their dimension is typically not an integer; for example, the Menger sponge has a Hausdorff dimension of “log 20 over log 3.” The (\*) Sierpinski triangle, Koch snowflake, and the graph of the Mandelbrot set are examples of, for ten points, what kind of geometric shape that looks like itself when deeply zoomed in?**

ANSWER: fractal

- 13) **One of the Obelisks of Luxor was taken to this city in the 1830s. Baron Haussmann's renovation of this city included new sewers to improve public health and wider streets to prevent barricades. In this city, a major street named for the (\*) Elysian Fields runs from the Place de la Concorde [PLASS de la con-CORD] to the Arc de Triomphe [arc de tree-OMF]. The fire-damaged Notre Dame Cathedral is in, for ten points, what capital city of France?**

ANSWER: Paris

- 14) **T cells secrete a “necrosis superfactor” named for these objects, which tend to inhabit oxygen-poor microenvironments to escape immune cells. Neoplasias form these objects when (\*) suppressor genes like p53 are inactivated and cell division goes haywire. When they metastasize, these objects are classified by oncologists as malignant instead of benign. For ten points, name these tissues of cancerous cells.**

ANSWER: tumors (accept neoplasms before “neoplasias” is read in the second sentence; accept cancers before “cancerous” is read in the last sentence)

- 15) **During fighting in what is now this country, Francis B. Randall died of a heart attack on board the *McCulloch*, making him the only recorded American fatality. Andres Bonifacio and Emilio (\*) Aguinaldo fought for this country's independence against both the United States and Spain. At the outset of the Spanish-American War, George Dewey sank the entire Spanish Pacific fleet in, for ten points, what modern-day Asian country's Manila Bay?**

ANSWER: **Philippines** (accept Republic of the **Philippines**; accept Republika ng **Pilipinas**)

- 16) **A hit selection from an opera by this composer is first sung by Clara as a lullaby; that song, in which “Fish are jumpin’ / and the cotton is high,” is called “Summertime.” A clarinet (\*) glissando opens a piece that premiered with this composer improvising the piano part, because he hadn't written it down yet; that piece fused classical music and jazz. For ten points, name this American composer of *Porgy and Bess* and *Rhapsody in Blue*.**

ANSWER: George **Gershwin** (accept Jacob Bruskin **Gershowitz**)

- 17) **Ozone cracking mainly destroys this material. At the glass transition temperature, polymers switch from a “glassy” state to one named for this material. The natural form of this material is an irritating (\*) latex harvested from a South American tree. Cross-linking this material’s sulfur atoms cures it by vulcanization, as Charles Goodyear discovered while making it industrially useful. For ten points, car tires are made from what elastic material?**

ANSWER: **rubber**

- 18) **In this religion, Rada is a “nation” of spirits that includes Dambala. Souls in this religion are divided into a “big” and “little good angel.” Although priestesses of this religion's main branch are called manbos, Marie Laveau was a “Queen” of another branch in nineteenth-century (\*) New Orleans. This religion's Catholic-inspired loa spirits include Baron Samedi, who communicates with the supreme god Bondye. For ten points, name this religion that doesn't actually use dolls stuck with pins to cast curses.**

ANSWER: **Voodoo** (accept Haitian **Vodou** or Louisiana **Voodoo**; accept **Vodu** or **Vodun**)

- 19) **The longest-serving holder of this position declared that “the power to tax involves the power to destroy” in explaining why Maryland couldn’t tax a national bank. Prior to holding this position, its first occupant joined James Madison and Alexander Hamilton as co-authors of the *Federalist Papers*. (\*) Impeachment trials are presided over by, for ten points, what judicial position, held by John Marshall and John Jay, the highest-ranking judge on the U.S. Supreme Court?**

ANSWER: **Chief Justice** of the U.S. Supreme Court (prompt on “Justice” or “Supreme Court Justice”)

- 20) **An author who used this language to write a poem about a fish “struggling upstream” wrote about Mr Sneaze in his novel *I Am a Cat*. An author used this language to depict a frog jumping in a pond in a poetic form that uses (\*) “cutting words” and “season words,” or kireji [kee-ray-jee] and kigo [kee-goh]. A poetic form traditionally written in this language is separated in English into three lines of five, seven, and five syllables. For ten points, name this language used by Natsume Souseki [nah-tsoo-may soh-seh-kee] and Matsuo Bashou [mah-tsoo-oh bah-shoh], a master of haiku.**

ANSWER: Japanese (accept Nihongo)

## Bonuses

- 1) Early in a novel, Miss Maudie notes that this character must be alive, because “I haven't seen him carried out yet,” causing Scout to wonder if his body had just been stuffed up the chimney. For ten points each,

Name this reclusive character from a 1960 novel. This man hides trinkets in a tree outside his house for Jem and Scout to find, and later saves the kids from an attack.

ANSWER: “Boo” Radley (accept either name; accept Arthur Radley)

Boo Radley appears in this 1960 novel by Harper Lee. This book's main plot revolves around Atticus Finch's defense of the Black man Tom Robinson.

ANSWER: To Kill a Mockingbird

A visiting friend of Jem and Scout wants to make Boo Radley come out of hiding. Name either the character or the real-life author who inspired the character, a childhood friend and collaborator of Harper Lee.

ANSWER: Dill Harris or Truman Capote (one answer required; accept either underlined part of Charles Baker Harris, which is Dill's real name; accept Truman Garcia Capote; accept Truman Streckfus Persons, which is Capote's birth name)

- 2) In 1713, Charles VI [the sixth] issued a Pragmatic Sanction to ensure that his holdings could be inherited without controversy by a woman, should he have no male heir. Four years later, this woman was born. For ten points each,

Name this duchess and queen who ruled the Holy Roman Empire for forty tumultuous years in the eighteenth century.

ANSWER: Maria Theresa (accept Maria Theresa Walburga Amalia Christina; do not accept or prompt on “Maria” or “Theresa” alone)

Charles VI and Maria Theresa were part of this European ruling house. This dynasty controlled the Holy Roman Empire for centuries and also led Hungary, Spain, parts of Italy, and Mexico at various times.

ANSWER: Habsburgs (accept Hapsburgs; accept House of Habsburg or Hapsburg)

The question of whether Maria Theresa could inherit control of the Holy Roman Empire led to a war named for this region's “Succession.” Today, this country is a republic led from Vienna.

ANSWER: Austria (accept War of the Austrian Succession)

- 3) Transplant patients who receive this organ often find themselves needing to go to the bathroom at unusual times, because this organ operates on the donor's schedule for a while. For ten points each,

Name this bean-shaped organ that filters the blood.

ANSWER: kidneys

Patients in kidney failure generally undergo this medical procedure, in which the blood is filtered via machine. A kidney transplant generally removes the need for this procedure, which must be carried out several times per week.

ANSWER: dialysis (accept hemodialysis)

When kidney failure is due to Type 1 diabetes, a single surgery may simultaneously transplant a kidney and this organ, whose beta cells produce insulin.

ANSWER: pancreas

- 4) This author compiled a *Book of Beautiful Sentences*, inspiring quotations that she read while living in the Secret Annex. For ten points each,

Name this “young girl” whose *Diary* of her time hiding from the Nazis became one of the most powerful memoirs of the Holocaust.

ANSWER: Anne Frank (accept Annelies Marie Frank)

After leaving Germany in 1934, the Frank family lived in this Dutch city, where Anne wrote her diary after entering the Secret Annex.

ANSWER: Amsterdam

While Anne's entries are initially addressed to various people, she eventually becomes “best friends” with this figure, an imaginary friend inspired by one of Anne's favorite Dutch book series.

ANSWER: Kitty (accept Dear Kitty; accept Kitty Francken)

- 5) In 2023, the internet overflowed with live clips of Taylor Swift belting the line “I don't wanna keep secrets just to keep you” from this song's impossibly catchy bridge. For ten points each,

Name this song, a surprise 2023 hit that was originally released in 2019.

ANSWER: Cruel Summer

The COVID-19 pandemic interrupted Swift's promotional schedule for the album *Lover*. Instead of releasing “Cruel Summer” as a single, Swift recorded and released this album instead, the first of two ballad-driven albums she released in 2020.

ANSWER: Folklore

“Cruel Summer” was finally released as a single after it made the setlist of this 2023-24 concert tour.

ANSWER: Taylor Swift: The Eras Tour

- 6) Give the following about the *Brandenburg Concertos* for ten points each.

The *Brandenburg Concertos* were composed by Johann Sebastian, the patriarch of this German family of composers that included J.S.'s wife Anna Magdalena and sons like Johann Christian.

ANSWER: Bach family (accept Johann Sebastian Bach; accept Anna Magdalena Bach; accept Johann Christian Bach)

The *Brandenburg Concertos* exemplify this era of music, which consists of the seventeenth and early eighteenth centuries, before the Classical era.

ANSWER: Baroque music

The fifth Brandenburg concerto features the flute, violin, and this keyboard instrument, which J.S. Bach probably played at the premiere. This keyboard instrument was common in Baroque music before the invention of the piano, and players of it often practiced on the similar clavichord.

ANSWER: harpsichord



- 7) Stars named for these particles are very dense, and form from the collapse of supergiants. For ten points each, Name these subatomic particles that occupy the nucleus alongside protons, and that have no charge.

ANSWER: neutron

This type of neutron star emits a particle beam that appears to flash on and off as these stars rotate rapidly.

ANSWER: pulsar

A neutron star is at the center of this nebula, which was cataloged as M1 by Messier.

ANSWER: Crab Nebula

- 8) The narrator of this work gets rats to chew through his restraining bandages, freeing himself from one of the two title perils. For ten points each,

Name this 1842 short story, in which the narrator nearly plummets into the other title peril twice.

ANSWER: The Pit and the Pendulum

In the story, the title pit and pendulum are torture devices used by this group. The author took considerable artistic license in describing the methods of this group, from whom the story's protagonist is rescued by General Lasalle.

ANSWER: Spanish Inquisition (accept Tribunal of the Holy Office of the Inquisition)

“The Pit and the Pendulum” was written by this American author of mysterious and macabre short stories and poems like “The Raven.”

ANSWER: Edgar Allan Poe

- 9) Activists based in this state in the nineteenth century included Amy Kirby Post, Elizabeth Cady Stanton, and other signatories of the Declaration of Sentiments. For ten points each,

Name this U.S. state that hosted the 1848 Seneca Falls Convention.

ANSWER: New York

This abolitionist and signatory of the Declaration of Sentiments began publishing his newspaper *The North Star* from a basement in Rochester, New York in 1847, two years after publishing a *Narrative* of his life as a former slave.

ANSWER: Frederick Douglass

Susan B. Anthony was arrested in Rochester, New York in 1872 for performing this action. Ward Hunt ordered that Anthony pay a one hundred dollar fine for doing this, but Anthony proclaimed in court that she would never pay the “unjust fine.”

ANSWER: voting (accept descriptions like “casting a vote in the 1872 U.S. Presidential election”)

- 10) A difference quotient relating the change in  $y$  over the change in  $x$  is used to calculate this quantity. For ten points each,

Name this mathematical quantity, which is represented by an  $m$  in a common format for writing certain equations.

ANSWER: slope

Slope-intercept form, commonly written as “ $y$  equals  $m x$  plus  $b$ ,” is used to write this type of equation. This type of graph has a constant slope.

ANSWER: linear (accept linear equation or linear graph)

In calculus, this operation allows you to find the slope of non-linear functions at a given point. The notation “ $f$  prime of  $x$ ” is often used to write the result of this operation, which is the inverse of an integral.

ANSWER: differentiation (accept word forms like differentiate; accept descriptions of finding the first derivative of a function)

- 11) Under Islamic law, a type of this policy called jizya was often levied against non-Muslim residents in exchange for protection or civil services. For ten points each,

Name this type of policy that serves as a source of revenue for a government. A standard example in modern America is based on one's income.

ANSWER: taxes

From the fourteenth to the twentieth century, the French government collected the incredibly unpopular gabelle [gah-BELL], a tax on this vital foodstuff.

ANSWER: salt

Peter the Great, who noticed that most western European men did not wear this type of facial hair, instituted a tax on men who wore them.

ANSWER: beards (do not accept or prompt on “mustache”)

- 12) A September 2023 indictment alleges that this politician was bribed with literal bars of gold in return for providing aid and sensitive information to a foreign government. For ten points each,

Name this U.S. Senator, who was re-elected to the Senate in 2018 despite an unrelated 2015 indictment on federal corruption charges.

ANSWER: Robert “Bob” Menendez

Menendez was elected to the Senate from this state on the Atlantic coast. This state's other senator, Cory Booker, once served as mayor of its most populous city, Newark.

ANSWER: New Jersey

The 2023 indictment alleges that Menendez aided this African country. Abdel Fattah el-Sisi currently leads this country from Cairo.

ANSWER: Egypt (accept Arab Republic of Egypt; accept Misr or Masr; accept Jumhuriya Misr al-Arabiyyah; accept Gomhoreyet Masr el-Arabeyya)

- 13) Give the following about acetic acid [ah-SEE-tik acid], for ten points each.

Acetic acid is the primary component of this common cleaning solution. This substance is also a common cooking ingredient, coming in varieties like red wine, apple cider, and balsamic.

ANSWER: vinegar (accept specific kinds, like “balsamic vinegar”)

Acetic acid is formed by a reaction between acetate ions and, as is the case with any acid, these simple, positively-charged ions.

ANSWER: hydrogen ions (accept H-plus ions)

Acetic acid is produced from processing of alcohols, including this two-carbon compound commonly known as drinking alcohol or grain alcohol.

ANSWER: ethanol (do not accept “methanol”)

- 14) Shahada and zakat, which are respectively a statement of faith and the giving of alms, are two of the “pillars” of this religion. For ten points each,

Name this Abrahamic religion whose Hadith describe the requirements of those and other pillars.

ANSWER: Islam

In total, Islam observes this many pillars of faith. A set of this many books that begins both the Hebrew and Christian bibles is called the Torah or the Pentateuch.

ANSWER: five

This religion's believers wear the Five Ks, including kesh, or uncut hair, and the kirpan blade.

ANSWER: Sikh (accept Sikhi; accept word forms like Sikhism or Sikhs)

- 15) Three of these body parts are stacked in a title *Pyramid* in a still life by Paul Cezanne. For ten points each,

Name these bone structures that both protect the brain and serve as a “memento mori,” or “remembrance of death,” in *The Ambassadors* by Hans Holbein the Younger.

ANSWER: **skull** (prompt on “head”)

Note: The lead-in refers to the painting *Pyramid of Skulls*

This American artist frequently painted still lifes of cow and sheep skulls, as well as closeups of canna lilies and other flowers, in works like *Ram's Head*, *White Hollyhock* and *Little Hills*.

ANSWER: Georgia **O'Keeffe** (accept Georgia Totto **O'Keeffe**)

O'Keeffe created many of her skull paintings after moving to this U.S. state, where she used desert locations that she nicknamed “White Place” and “Black Place” in her paintings.

ANSWER: **New Mexico**

- 16) The King Fahd Causeway, which connects Saudi Arabia and the island of Bahrain, is actually a series of these structures as well as causeways over reclaimed land. For ten points each,

Name this structure that may come in truss, arch, or suspension types.

ANSWER: **bridge**

This suspension bridge, whose International Orange color makes it possibly the most iconic bridge in the world, spans a strait that connects the Pacific Ocean to a bay in northern California.

ANSWER: **Golden Gate** Bridge

The Galata Bridge and the Ataturk Bridge span this harbor, an offshoot of the Bosphorus in Istanbul.

ANSWER: **Golden Horn** (accept **Altin Boynuz**; accept **Haliç**)

- 17) In the 1950s, the documentary film *The House in the Middle* used footage from these events to show that, under certain dire circumstances, tidy houses are less susceptible to destruction than houses where newspapers have been left out on coffee tables. For ten points each,

Name this type of experiment. The U.S. conducted over one thousand of these events in the air, underground, underwater, and in space between 1945's "Trinity" and the last one in 1992.

ANSWER: **nuclear** weapons **tests** (accept **atomic** weapons **tests**; accept equivalents like **testing nuclear** bombs, **testing nukes**, etc.; prompt on partial answers)

The nuclear tests shown in *The House in the Middle* were conducted in this U.S. state. Las Vegas calls itself the "Atomic City" because the mushroom clouds from those tests were visible from downtown.

ANSWER: **Nevada**

The title "house in the middle" doesn't catch on fire during the nuclear explosion because, unlike the houses on the left or right, it has been protected with this specific act of basic house maintenance. Nuclear bombing aircraft are also typically provided with this protection.

ANSWER: a fresh coat of white **paint**

- 18) The title character of Lord Byron's *Childe Harold's Pilgrimage* is in training to become one of these warriors. For ten points each,

Name this medieval occupation. T.H. White's *The Once and Future King* is a retelling of stories about some of these warriors, who used the honorific title "Sir" and often fought in armor.

ANSWER: **knights** (accept **Knights** of the Round Table)

The Knights of the Round Table followed this code of conduct that laid out a knight's rules of behavior in battle, in love, and in life at court.

ANSWER: **chivalry** (accept word forms like **chivalric** code of conduct)

The anonymous Pearl Poet wrote a fourteenth-century romance about this Knight of the Round Table, who beheads the mysterious Green Knight and, because of the rules of chivalry, must allow the Green Knight to strike him back a year later.

ANSWER: Sir **Gawain** (accept **Sir Gawain and the Green Knight**)

- 19) This god disguises himself as a woman with the help of Loki so he can pretend to marry the jotunn [YOH-tun] Thrym. For ten points each,

Name this Norse thunder god who uses that disguise to retrieve Mjolnir [m-yoll-neer], his hammer.

ANSWER: **Thor** (accept **Donar**)

During the deception, Thor specifically impersonated this Norse goddess of love and prophetic magic. She owned the necklace Brisingamen and rode in a chariot pulled by cats.

ANSWER: **Freyja** (be careful: do not accept “Freyr”)

The Prose Edda describes Freyja as second only to this wife of Odin who, in another myth, made all living things except mistletoe swear never to harm her son, Baldr.

ANSWER: **Frigg** (accept **Frigga**)

- 20) These devices produce a namesake form of radiation whose wavelength is shorter than radio waves. For ten points each,

Name this kitchen appliance that uses a changing electric field to rotate water molecules, thereby heating food.

ANSWER: **microwave** oven (accept **microwave** radiation)

The microwave oven was developed by an engineer who built and tested these devices, which are still used in modern microwave ovens. These devices work by passing electrons by cavity resonators, where the microwaves oscillate.

ANSWER: **magnetron** (accept cavity **magnetron**)

Early microwaves had a tendency to interfere with these medical devices, which are implanted in the chest to provide electrical pulses that guide one's heartbeat. Today, it's generally safe to use microwaves if you have one of these devices.

ANSWER: **pacemaker** (accept artificial cardiac **pacemaker**; prompt on “electrode”)