

# SCOP Novice 4 | Round 7

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## Tossups

1. This author wrote about an ape behaving like a human, Red Peter, in “A Report to an Academy.” In another work by this man, the Officer is killed by a torture machine as he attempts to carve “Be Just” into his back. This author of “In the Penal Colony” described the bank employee (\*) Joseph K.’s reasonless arrest in *The Trial*, and wrote a novel that begins with Gregor Samsa waking up as vermin. For 10 points, name this author of *The Metamorphosis*.

Answer: Franz Kafka

2. This scientist gives his name to a measure of how efficiently electrons are transferred in a reaction, as described in his two laws of electrolysis. A constant named for this man is equal to the charge per mole of electrons, and he also names a physical law of (\*) induction as well as a “cage” that shields its contents from electric fields. For 10 points, name this British electrochemist, the namesake of the SI unit of capacitance.

Answer: Michael Faraday

3. This figure went fishing with Hymir [“HIGH”-meer] to try to catch a monstrous son of Angrboda [“anger”-boh-dah], and was honored for lifting the paw of the cat, which turned out to be an enormous snake in disguise. This deity forced (\*) Loki to obtain golden threads to replace the hair of Sif, this god’s wife. He is fated to die at Ragnarök [RAG-nah-rock] after battling Jörmungandr [YORE-moon-gahn-dur]. This god wields Mjölnir [mee-YOLL-neer], a short-handled hammer, and is the son of Odin. For 10 points, name this Norse thunder god.

Answer: Thor (accept Donar or Thunar)

4. This color names an artistic collective founded by Kandinsky. The front portion of the *Girl with a Pearl Earring*’s head covering is this color, which appears along with white, red, and yellow in Mondrian’s *Broadway Boogie Woogie*. Gainsborough painted a young (\*) boy dressed all in this color, and Picasso painted *The Old Guitarist* during a period named for this somber color. For 10 points, name the primary color that is neither red nor yellow.

Answer: blue (accept variations, such as light blue; accept Blue Rider or Der Blaue Reiter; accept Blue Boy; accept Blue Period)

5. One force at this battle organized at Buckman Tavern. At this battle, John Parker's men organized on the Battle Green, where both his militia and John Pitcairn's "regulars" were advised to hold their fire; it is unknown who fired the (\*) first shot, known as the "shot heard 'round the world." For 10 points, name this first battle of the American Revolution, followed a few hours later by fighting at Concord.

Answer: Battle of Lexington

6. With a half-life of only 71 minutes, this hormone degrades quickly but is not required by the brain. Frederick Banting discovered this hormone whose primary structure of two polypeptide chains was determined by Frederick (\*) Sanger. It is produced in the beta cells of the islets of Langerhans, and works with glucagon to maintain stable blood sugar levels. For 10 points, name this pancreatic hormone, a deficiency of which causes diabetes.

Answer: insulin

7. In one section of this work, a boy watches mockingbirds by the Paumanok; in another, this work's author describes a "flood-tide below me." This collection reads, "the ship has weather'd every rack, the prize we sought is won," and includes the poems (\*) "Out of the Cradle Endlessly Rocking" and "O Captain! My Captain," a poem about Abraham Lincoln. For 10 points, "Song of Myself" is a part of what poetry collection, written by Walt Whitman?

Answer: Leaves of Grass

8. Dabulamanzi, a Prince of this kingdom, led a failed raid on a trading post on the Buffalo River; shortly thereafter, this kingdom was absorbed into the Colony of Natal. Under Cetshwayo [ket-shwah-yoh], this empire used an overwhelming number of (\*) impi to win at Isandlwana, but this empire then lost the aforementioned Battle of Rorke's Drift. For 10 points, name this southern African kingdom with capital at Ulundi [oo-loon-dee] that was once led by Shaka.

Answer: Zulu Kingdom (or Empire; accept Zululand)

9. One thinker in this discipline challenged scientific racism in *The Mind of Primitive Man*. A work subtitled "[this discipline] at a Distance" contrasted guilt and shame and was researched at Japanese internment camps. *The (\*) Chrysanthemum and the Sword* and *Coming of Age in Samoa* are works of, for 10 points, what cultural social science practiced by Franz Boas, Ruth Benedict, and Margaret Mead, whose name translates as "study of mankind?"

Answer: Anthropology (accept word forms)

10. In this city, two weeks after the Battle of Gettysburg, riots broke out against a new draft law. A 1969 police raid against a gay club in this city led to the Stonewall riots. This city was led by Ed Koch in the 1980s and was controlled by (\*) Boss Tweed's Tammany Hall in the 19th century. Its other mayors include Rudy Giuliani, who gained fame for his response when this city's World Trade Center was attacked. For 10 points, name this largest city in the U.S.

Answer: New York City (or NYC)

11. Before this play begins, the title character flees from King Polybus and Queen Merope of Corinth and goes to Thebes, where he solves the riddle of the Sphinx. This play's protagonist shuns Creon's advice and stabs out his eyes with pins from (\*) Jocasta's clothes after he learns he has fulfilled an oracle's prophecy that declared he would sleep with his mother and kill his father. For 10 points, name this play by Sophocles.

Answer: Oedipus Rex (or Oedipus the King; prompt on "Oedipus")

12. Compassion, moderation and humility are the Three Treasures of this religion, and its concept of "naturalness" is represented by an uncut wood block. The Three Pure Ones are elderly deities in this religion, which emphasizes (\*) wu-wei, or "action through inaction." This religion's supreme god is the Jade Emperor. Founded by Lao Tzu [lah-oh tzoo], for 10 points, name this Chinese religion, whose primary text is the *Tao Te Ching* [tah-oh tay ching], or *Book of the Way*.

Answer: Taoism or Daoism (prompt on "the Way" before "Book of the Way" is read)

13. DeMoivre's [duh-MWAHV's] theorem can be used when raising this type of number to a power. Euler's [OY-lur'z] formula relates the exponential and polar descriptions of these numbers, and they can also be plotted as points on the Cartesian plane, a format called the (\*) Argand diagram. The absolute value on these numbers is called the modulus, and taking the conjugate means negating the imaginary part of these numbers. For 10 points, name this type of number often written in the form  $a + b i$ .

Answer: complex numbers (prompt on imaginary numbers before "imaginary")

14. This country's "economic miracle" was sparked by Economics Minister Ludwig Erhard and its first leader, Konrad Adenauer, a member of the Christian Democrats. Willy Brandt championed this nation's political philosophy of (\*) Ostpolitik, which normalized relations with its Soviet neighbor. For 10 points, name this nation with capital at Bonn, which reunited with its eastern neighbor after the fall of the Berlin Wall.

Answer: West Germany (accept Federal Republic of Germany; do not accept East Germany or the German Democratic Republic; do not accept Western Germany; do not accept or prompt on Germany alone)

15. In this novel, Isaac loses his sight shortly after the Night of the Broken Trophies. A character who doesn't light his cigarettes uses his Wish to bring him and the protagonist to Amsterdam, where they meet author (\*) Peter Van Houten. Shailene Woodley will play this novel's protagonist in a 2014 movie adaptation. For 10 points, name this 2012 novel about cancer patients Augustus Waters and Hazel Grace Lancaster, written by John Green.

Answer: The Fault in Our Stars

16. Bodies that orbit this object include Kerberos and Styx, which were named in 2013. This Kuiper Belt object will be visited by the New Horizons probe in 2015. It was nearer to the Sun than (\*) Neptune for 20 years in the 20th century, but, because it doesn't clear the neighborhood around its orbit, a 2006 IAU reclassification "demoted" it. Hydra, Nix, and Charon orbit, for 10 points, what dwarf planet, the former 9th planet of the solar system?

Answer: Pluto

17. This composer's *Zadok the Priest* is an anthem played at the coronations of British monarchs. A French overture opens a work this man wrote to entertain King George I as he sailed the Thames River; this composer of (\*) *Water Music* also wrote music to accompany a Royal Firework celebration. He is most famous for an oratorio whose second section ends with the Hallelujah Chorus. For 10 points, name this composer of *Messiah*.

Answer: George Frederick Handel

18. An island country in this body of water was called Tylos by the Greeks when it was part of the Achaemenid dynasty; the modern-day country on that island has capital Manama. The (\*) Shatt al-Arab drains into this body of water, which is connected by the Strait of Hormuz to the Gulf of Oman and the Arabian Sea. Bahrain lies in, and Qatar, Kuwait, and the United Arab Emirates lie on, for 10 points, what Middle Eastern gulf?

Answer: Persian Gulf

19. One author with this surname wrote a novel in which a clergyman's daughter works for the Bloomfield and Murray families, and another described the death of Helen Burns at Lowood. (\*) *Agnes Grey* is a work by one of these authors, whose sister wrote about Catherine Earnshaw's doomed love for Heathcliff. For 10 points, name these literary sisters, including Emily and Charlotte, whose collective novels include *Jane Eyre* and *Wuthering Heights*.

Answer: Brontë sisters (accept the Brontë family or equivalents; accept Anne Brontë, Charlotte Brontë, and/or Emily Brontë; prompt on Acton, Ellis, and/or Currer Bell)

20. The result of the Cavendish experiment was used to calculate a constant of proportionality for this force. It is explained in terms of space-time curvature by general relativity. This weakest of the four fundamental forces is always (\*) attractive, with a value proportional to the product of the masses of two objects. Weight is the amount of this force acting on a given object. For 10 points, name this force whose acceleration on earth is 9.8 meters per second squared, downward.

Answer: gravity (or gravitation)

## Bonuses

1. Prior to this event, a mistranslation of the word *mokusatsu* led Allied officials to believe that the Potsdam Declaration, promising "prompt and utter destruction," was being ignored. For 10 points each,

[10] Name this military action, in which "Little Boy" was employed. This event took place three days before a similar attack on Nagasaki.

Answer: (Atomic) **Bombing of Hiroshima** (accept equivalents that describe dropping an atomic **bomb** on **Hiroshima**; prompt on partial answers, such as "attack on Hiroshima" or "(first) dropping of an atomic bomb")

[10] This plane carried and dropped the atomic bomb on Hiroshima. It was named for the mother of its pilot, Paul Tibbets.

Answer: **Enola Gay**

[10] Nine days after the bombing of Hiroshima, this Japanese Emperor spoke to the nation in the Jewel Voice Broadcast, announcing the unconditional surrender to the Allies.

Answer: Emperor **Hirohito** (or **Showa**)

2. This actress was nominated for the Best Actress Oscar for her role in *Rachel Getting Married*. For 10 points each,

[10] Name this actress, who sang "I Dreamed a Dream" as Fantine in a 2012 film, earning her a Best Supporting Actress Oscar. She also played Mia Thermopolis in *The Princess Diaries*.

Answer: Anne **Hathaway**

[10] Hathaway's performance of Fantine came in this 2012 film adaptation of a musical adaptation of a Victor Hugo novel. Russell Crowe played Javert and Hugh Jackman played Jean Valjean in this film.

Answer: **Les Misérables** [lay mih-zeh-RAHB] (accept **Les Miz**)

[10] In *The Devil Wears Prada*, Hathaway plays an assistant to Miranda Priestly, played by this fourteen-time nominee and two-time winner of the Best Actress Oscar.

Answer: Meryl **Streep**

3. If a set of numbers has this many elements, then its geometric mean will be the square root of the quantity arithmetic mean times harmonic mean. For 10 points each,

[10] Give this number of possible outcomes in a binomial experiment, such as the flipping of a coin.

Answer: **2**

[10] Two numbers in a data set -- specifically, the maximum and minimum values -- are subtracted to find this statistical measurement of spread.

Answer: **range**

[10] The interquartile range of a data set is found by taking the difference of these two values.

Answer: **third quartile** and **first quartile** (accept in either order; accept **75th percentile** and **25th percentile** in either order; accept **Q<sub>3</sub>** and **Q<sub>1</sub>** in either order)

4. This poem asks "Was there a man dismay'd?" even though cannons all around them "volley'd and thunder'd." For 10 points each,

[10] Name this poem set during the Crimean War. In it, the title six hundred-man force advances "half a league, half a league, half a league onward" in the "valley of Death."

Answer: The Charge of the Light Brigade

[10] This British poet of "The Charge of the Light Brigade" described the title figure's determination "to strive, to seek, to find, and not to yield" in "Ulysses."

Answer: Alfred, Lord Tennyson

[10] Tennyson's blank verse *Idylls of the King* tells the story of this legendary British king. As this man dies, he instructs Sir Bedivere to return his sword, Excalibur, to the Lady of the Lake.

Answer: King Arthur Pendragon

5. This man produced the "Exploding Plastic Inevitable" shows and worked from his studio, "The Factory." For 10 points each,

[10] Name this 20th century artist who produced silk screen prints of celebrities like Marilyn Monroe and a series of his famous Campbell's soup cans.

Answer: Andrew "Andy" Warhol(a)

[10] Andy Warhol was a member of this artistic movement, which focused on mass production, satire, and images from contemporary culture.

Answer: Pop Art

[10] This other pop artist used Ben-Day dots to produce comic book-like works such as *Whaam!* and *Torpedo...Los!*

Answer: Roy (Fox) Lichtenstein

6. Tonic water contains quinine, originally used to treat this disease. For 10 points each,

[10] Name this disease spread by parasites in the genus *Plasmodium*, often found in tropical regions.

Answer: malaria

[10] Malaria is spread by this insect as it eats blood.

Answer: mosquitoes (accept anopheles)

[10] When the mosquitoes infect the secondary host, malarial sporozoites make their way to this organ, where it avoids the immune system. This organ also filters toxins and produces bile.

Answer: liver

7. Slaves on this ship mutinied and ordered it to be sailed back to Africa; the crew instead sailed to Connecticut, where the slaves were taken into custody. For 10 points each,  
[10] Name this Spanish ship, the subject of an 1841 Supreme Court case, in which a former U.S. President successfully argued that the slaves had the right to mutiny.

Answer: La Amistad (accept the Amistad case)

[10] This former President argued the Amistad case; his other post-Presidency work included eight terms in the House of Representatives. He earned the Presidency over Andrew Jackson in the "corrupt bargain" of 1824.

Answer: John Quincy Adams (prompt on Adams; do not accept or prompt on John Adams)

[10] While in the House, John Quincy Adams fought to maintain Congressional funding for this institution, whose museums on the National Mall include the National Air and Space Museum and the National Museum of American History.

Answer: Smithsonian Institution

8. Deucalion survives one of these events by building a box, while this event in Algonquian mythology may be related to the creation and demise of Lake Agassiz. For 10 points each,  
[10] Name this cataclysmic event, which temporarily destroys the world in many myth systems.

Answer: flood myths (accept deluge myths)

[10] This Old Testament figure survives the Great Flood by building an ark to save his family, a breeding pair of every unclean animal, and seven pairs of every clean animal.

Answer: Noah (accept Noé, Noach, or Nuh)

[10] In a story similar to the Great Flood of Genesis, Utnapishtim [oot-nah-peesh-teem] survives the flood of Ea [ay-ah]; that story is related in an epic that focuses on this King of Uruk and companion of Enkidu [en-kee-doo].

Answer: Gilgamesh (accept Bilgamesh)

9. Billions of these birds lived in North America during the 19th century, but hunting and deforestation led to their extinction by 1910. For 10 points each,

[10] Name this bird. The very last one, Martha, died in 1914 in the Cincinnati Zoo.

Answer: Passenger pigeon (prompt on pigeon)

[10] This modern day country in Oceania was home to the flightless moa birds and the massive Haast's Eagle, which fed on the moa. When the Maori arrived here, they hunted the moa to extinction, causing the Haast's Eagle to go extinct as well.

Answer: New Zealand

[10] The Haast's Eagle filled this ecological role in New Zealand, while the moa served as prey. The dodo was easily hunted to extinction by humans because, as no native species filled this role, the dodo was unused to being hunted.

Answer: predator (accept word forms)

10. Popular works in this genre include *The Devil in the White City*, a book about H.H. Holmes, who committed serial murders at the 1893 Columbian Exposition in Chicago. For 10 points each,

[10] *Helter Skelter*, is a book about Charles Manson in this genre of non-fictional literature, which details grisly events, often murders.

Answer: true crime

[10] This author of *Breakfast at Tiffany's* inspired the true crime genre with his 1966 book about the murder of Herbert Clutter's family, *In Cold Blood*.

Answer: Truman Capote (accept Truman Streckfus Persons)

[10] Norman Mailer's Pulitzer Prize-winning novel, *The Executioner's Song*, details Gary Gilmore's execution in this U.S. state. Other true crime novels set in this state concern the kidnapping of Elizabeth Smart in Salt Lake City.

Answer: Utah

11. This event was discovered by either a group of women, or by Mary Magdalene alone, while visiting a tomb owned by Joseph of Arimathea. For 10 points each,

[10] Name this event, which happened after the crucifixion, and forty days before the Son of God ascended to Heaven.

Answer: resurrection of Jesus Christ (accept the resurrection of Jesus or the resurrection of Christ; accept Jesus or Christ rising from the dead or similar; prompt on "resurrection")

[10] This apostle refused to believe that Jesus had been resurrected until he put his fingers into the wounds on Jesus' body made by the nails and sword during the crucifixion.

Answer: Saint Thomas (accept the Apostle Thomas; accept Doubting Thomas; accept (Thomas) Didymus)

[10] When marks imitating those on Jesus' hands, feet, and torso appear on the bodies of saints or the devoted, they are known by this term.

Answer: stigmata (or stigma)

12. One man with this last name composed *Die Fledermaus*, in which Gabriel von Eisenstein attends a ball at Prince Orlofsky's home. For 10 points each,

[10] Give this last name, also shared by the composer of *Der Rosenkavalier*.

Answer: Strauss (accept Richard Strauss or Johann Strauss)

[10] The composer of *Die Fledermaus*, Johann Strauss, was the "King" of this kind of dance in three-four time, including *Tales from the Vienna Woods* and *The Blue Danube*.

Answer: waltz

[10] *Der Rosenkavalier* was composed by Richard Strauss, who also wrote this tone poem named for a Persian prophet. It contains a famous ascending "C-G-C" fanfare near its beginning.

Answer: Also Sprach Zarathustra

13. Harrisburg, Pennsylvania's trash incinerator saddled the city with hundreds of millions of dollars of debt, but their 2011 attempt to take this action was ruled illegal. For 10 points each, [10] Name this legal action, also taken by municipalities like Orange County, California in 1994 and a Michigan city in 2013.

Answer: file (Chapter 9) **bankruptcy** (accept word forms and equivalents like "go **bankrupt**")  
[10] This most populous city in Michigan filed for Chapter 9 bankruptcy in July 2013, claiming more than \$14 billion in debt.

Answer: **Detroit**

[10] Detroit's bankruptcy was initially ruled unconstitutional by a circuit court judge, who ordered this Michigan governor to withdraw the bankruptcy filing.

Answer: Rick **Snyder**

14. One poem in this collection says that the line "The night is starry and the stars are blue and shiver in the distance" falls "to the soul like dew to the pasture." For 10 points each, [10] Name this collection of 21 poems, whose penultimate poem notes that "Tonight I can write the saddest lines."

Answer: **Twenty Love Poems and a Song of Despair** (or **Veinte poemas de amor y una canción desesperada**)

[10] *Twenty Love Poems and a Song of Despair* is by this Chilean poet, who included "The Heights of Machu Picchu" in his *Canto General*.

Answer: Pablo **Neruda** (accept Neftali Ricardo **Reyes** Basoalto)

[10] Another of Neruda's love poems notes that "The morning is full of storm / in the heart of" this season. One of Shakespeare's sonnets asks to "compare thee" to a day in this season.

Answer: **summer** (accept "**Shall I compare thee to a summer's day?**")

15. Radiation is detected using an inert gas in this device. For 10 points each,

[10] Name this device that emits a click for every ionizing event in a certain time period.

Answer: **Geiger(-Müller) counter**

[10] A Geiger counter's measurements can be used to calculate this value, the time it takes for a radioactive sample to decay by 50%.

Answer: **half-life**

[10] This isotope has a half-life of 5,730 years, making it useful for dating objects up to about 60,000 years old.

Answer: **Carbon-14** (accept **14-C**; prompt on radio**carbon**)

16. This leader argued that "the great questions of the day will not be decided through speeches and decisions, but by iron and blood." For 10 points each,

[10] Name this Prussian statesman, known as the Iron Chancellor, whose philosophy of Realpolitik succeeded in unifying Germany in the 19th century.

Answer: Otto von Bismarck

[10] In one example of Realpolitik, Bismarck edited the Ems Dispatch to provoke war with this European country, then led by Napoleon III.

Answer: France

[10] The Franco-Prussian War ended at this disastrous defeat for Napoleon III in northeast France. The Army of Chalons [SHA-lohn] was on their way to relieve the Siege of Metz when it was surrounded by von Moltke's "mousetrap."

Answer: Battle of Sedan

17. This man popularized the phrase "oceanic feeling" in *Civilization and its Discontents* and divided the human psyche into the id, ego, and superego. For 10 points each,

[10] Name this Austrian founder of psychoanalysis who formulated the Oedipus complex, in which he postulated the child's desire to sleep with the parent of the opposite sex.

Answer: Sigmund (Schlomo) Freud

[10] Freud's early work dealt with, and was named for, the *Interpretation of these phenomena*. Freud thought that these nocturnal phenomena are a result of wish fulfillment, while Jung related these to unconscious desires.

Answer: dreams

[10] This form of therapy includes an analysis of dreams as recounted in the present tense. This form of psychology, founded by Wertheimer and Köhler, includes the law of *pragnanz* and focuses on the mind as a unified whole.

Answer: Gestalt therapy (prompt on "Berlin" school)

18. This type of decay changes atomic number but not mass number. For 10 points each,

[10] Name this type of radioactive decay in which a nucleus emits a namesake particle that is either an electron or a positron.

Answer: beta(-minus or -plus) decay (accept beta particles)

[10] Electrons are emitted in beta decay when one of these neutral subatomic particles is converted into a proton.

Answer: neutrons

[10] The decay also emits these very light, neutral particles. Their existence was hypothesised by Pauli to account for missing momentum in beta decay.

Answer: neutrinos

19. In 1914, Woodrow Wilson ordered this man to lead the expedition to capture Pancho Villa. For 10 points each,

[10] Name this General of the Armies, nicknamed "Blackjack."

Answer: John J. Pershing

[10] After German submarines started sinking American ships, the U.S. entered this war and President Wilson named Pershing commander of the American Expeditionary Force.

Answer: World War I or the First World War (prompt on the Great War, the War to end all Wars, and other such superlative names)

[10] Earlier in his career, Pershing led the Buffalo Soldiers of the 10th Cavalry Regiment during the charge of Kettle Hill during this battle of the Spanish-American War. Teddy Roosevelt's Rough Riders also notably fought in this battle.

Answer: Battle of San Juan Hill (or San Juan Heights; prompt on "San Juan")

20. In this play, the song "Blessed be the Tie that Binds" is sung by a choir directed by Simon Stimson. For 10 points each,

[10] Name this play in which Emily Webb marries George Gibbs, dies in childbirth, converses with dead people, and revisits her 12th birthday. It is set in Grover's Corners.

Answer: Our Town

[10] *Our Town* is a work by this American playwright of *The Bridge of San Luis Rey* who wrote about George Antrobus and his biblically-inspired family in *The Skin of Our Teeth*.

Answer: Thornton Niven Wilder

[10] All three of those Wilder works earned this American literary prize, named for the publisher of newspapers like the *New York World*. This annual prize is also given to journalists, musicians, and photographers.

Answer: Pulitzer Prize (accept Joseph Pulitzer)