

2020 SCOP B

# Round 1

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## Tossups

(1) **In amphibians, these organs are fed by buccal pumping. Hemolymph fills the plates of the “book” type of these organs, which is common in arachnids. In humans, these organs have five lobes and are surrounded by a (\*) pleural membrane. Pulmonary arteries carry deoxygenated blood to these organs’ alveoli, which are found at the end of bronchioles. For ten points, name these paired organs that exchange oxygen and carbon dioxide during breathing.**

ANSWER: lungs (accept book lungs)

(2) **This leader agreed to recognize the sovereignty of the Vatican as part of the Lateran Treaty. This man was rescued in the Grand Sasso raid just two months after he was dismissed as prime minister and arrested on the orders of (\*) Victor Emmanuel III. This leader’s corpse was hanged upside down in Milan after a failed 1945 escape to Switzerland. For ten points, name this dictator known as “Il Duce” [eel doo-chay], who led Italy for most of World War II.**

ANSWER: Benito Mussolini (accept Benito Amilcare Andrea Mussolini)

(3) **A character in this novel receives a sapphire ring that reveals the infidelity of the wife of the Comte de la Fère, and is given a diamond ring by Anne of Austria. A pair of diamond studs in this novel nearly reveal the affair of the Duke of Buckingham, and a (\*) fleur-de-lis [floor-duh-lee] brand exposes Milady de Winter’s criminal past. For ten points, name this Alexandre Dumas novel in which d’Artagnan [dar-tan-yan] meets the title group, consisting of Athos, Porthos, and Aramis, who swear to fight “one for all and all for one.”**

ANSWER: The Three Musketeers (accept Les trois mousquetaires)

(4) **In an opera by this composer, Dorabella sings “love is a little thief” after flirting with her fiancé in disguise. In this composer’s aria “Der Hölle Rache” [dayr HOH-lah RAH-kah], a soprano hits an F two octaves above middle C while ordering her daughter to kill the sorcerer (\*) Sarastro. The Queen of the Night appears in a work by this composer, who also wrote the opera *Così Fan Tutte*. For ten points, name this prolific composer from what is now Austria, who wrote operas like *The Magic Flute* and forty-one symphonies.**

ANSWER: Wolfgang Amadeus Mozart (accept Johannes Chrysostomus Wolfgangus Theophilus Mozart)

(5) **This organization was criticized for trying to force Richard Jewel to waive his rights while investigating the Centennial Park Bombing. In the aftermath of the September 11th attacks, this organization was restructured by (\*) Robert Mueller to better combat terrorism. This organization operates “Hogan’s Alley,” part of its academy in Quantico. The J. Edgar Hoover Building is the headquarters of, for ten points, what federal law enforcement agency?**

ANSWER: Federal Bureau of Investigation (accept FBI)

(6) **The god Neper is sometimes depicted as wheat growing out of this deity's body, representing this deity's mastery of rebirth as the Foremost of the Westerners. This deity is sometimes depicted as the father of Anubis, and was searched for by (\*) Nephthys, his sister. After Set killed and dismembered this god, his body was reassembled and returned to life by his wife, Isis. The father of Horus was, for ten points, what green-skinned, Egyptian god of the dead?**

ANSWER: Osiris (accept Asar; accept Usire)

(7) **This poet's headstone draws a line from his poem "The Lesson For Today," and reads "I had a lover's quarrel with the world." This poet recited "The Gift Outright" at the inauguration of a man who had used this poet's line "I have (\*) promises to keep / and miles to go before I sleep" in his presidential campaign, John F. Kennedy. "Stopping By Woods on a Snowy Evening" is by, for ten points, what New England poet who wrote "The Death of the Hired Man," "Mending Wall," and "The Road Not Taken?"**

ANSWER: Robert Frost (accept Robert Lee Frost)

(8) **This mountain's Fake Peak, found on Ruth Glacier, was the subject of Frederick Cook's false claim that he summited this mountain in 1906. The Kahiltna Glacier is between Mount Foraker and this mountain, which contains the (\*) Churchill Peaks. This mountain was renamed by a gold prospector in 1896, but in 2015, its name was reverted to "the High One" in Athabaskan. For ten points, name this tallest North American peak, an Alaskan mountain formerly named for William McKinley.**

ANSWER: Denali (accept Mount McKinley before it is read)

(9) **This astronomical object's satellites are collected into groups named for Ananke, Himalia, and Pasiphae. In 1996, a flyby nicknamed G1 confirmed that one of this object's satellites has a magnetic field. Debris from collisions with this object's satellites Amalthea and Thebe make up "gossamer" (\*) rings around this object. Simon Marius independently observed four large satellites of this object, which became known as its Galilean moons. For ten points, name this planet orbited by Europa and Ganymede, the largest planet in our solar system.**

ANSWER: Jupiter

(10) **In 2018, this singer performed "If Only" with tenor Andrea Bocelli, and sang "touch me like you touch nobody" on a collaboration with BLACKPINK. Silk City's "Electricity" features lead vocals by this artist, who shouts out her friends as "my (\*) sugar-boo" and tells the listener to obey the title command "if you wanna believe that anything could stop me" in two singles from her 2020 album *Future Nostalgia*. For ten points, name this English singer who performs "Kiss and Make Up," "Levitating," and "Don't Start Now."**

ANSWER: Dua Lipa

(11) **A play in this genre, in which Pentheus scolds Tiresias for attending a festival in honor of Semele's son, is titled *The Bacchae*, and won the City Dionysia festival in this genre for (\*) Euripides. Tiresias also appears as an advisor to the protagonist of a Sophocles play in this genre in which the title king discovers that he has cursed Thebes by killing his father and marrying his mother. *Oedipus Rex* is a work in, for ten points, what dramatic genre that focuses on serious and sad subjects, contrasted with comedy?**

ANSWER: tragedy (accept tragoidia)

(12) **In the Quran, this man is interrupted while praying by two men arguing over a ewe, and realizes that God is chastising him for marrying Uriah's wife, Bathsheba. Due to his warlike nature, this leader was forbidden to build a temple in (\*) Jerusalem that was eventually built by his son. This king was the son of Jesse, the father of Absalom, and the successor to King Saul. For ten points, name this biblical King of Israel, the father of Solomon, who used a slingshot to defeat the giant Goliath.**

ANSWER: King David (accept Dawud)

(13) **A theoretical particle representing this force would be a boson with a spin of two. The Pound-Rebka experiment observed redshift caused by this force. Beginning in 2015, observations of black hole mergers observed by (\*) LIGO confirmed the existence of this force's waves. This weakest fundamental force results from the curvature of spacetime in Einstein's theory of general relativity. For ten points, name this attractive force that accelerates objects at 9.8 meters per second per second as it pulls them toward Earth.**

ANSWER: gravity (accept gravitational waves)

(14) **A leader of this country oversaw the first partition of Poland after the Confederation of the Bar revolted against her lover, Stanislaw Poniatowski [sta-nah-slov pon-yah-TOV-skee]. This country established a capital on the Neva River after seizing land from (\*) Sweden during the Great Northern War. This country was rapidly westernized under Peter I [the first], who forced the boyars to pay a beard tax. For ten points, name this country where Catherine the Great was crowned Tsarina in Moscow.**

ANSWER: Russian Empire

(15) **One of these structures in Piatra Neamt vanished in December, 2020. One of these structures in Atascadero, California was replaced with a cross three days before one both (\*) appeared in and vanished from Albuquerque. Another of these structures was discovered by helicopter pilots surveying wild sheep. For ten points, name these highly-reflective, metal artworks, the first of which was mysteriously found in the Utah desert in November, 2020.**

ANSWER: monoliths (accept descriptions of metal slabs; do not accept "obelisk")

(16) **Sulfur dioxide and iodine are used to detect trace amounts of this substance in the Fischer titration. When combined with acids, this substance produces positively-charged hydronium ions. When this substance contains deuterium, it forms a (\*) "heavy" type used to moderate nuclear reactors. Hydrogen bonding causes this substance's unusually high specific heat, which is used to define the calorie. For ten points, name this "universal solvent," a chemical essential to life on Earth, with formula H<sub>2</sub>O.**

ANSWER: water (accept H<sub>2</sub>O before it is read)

(17) **Franz Marc painted a "Tower" of horses in this color as part of an art movement he co-founded in 1911. This color dominates a painting of *Casagemas in His Coffin*, which inspired a period during which its artist painted *The (\*) Old Guitarist*. A Russian-German art movement was named for Wassily Kandinsky's painting of a "Rider" wearing this color. For ten points, what color names a period of Picasso's work named for his use of sad subjects, contrasted with his "Rose Period?"**

ANSWER: blue (accept the Blue Rider or der Blaue Reiter; accept Picasso's Blue Period or Periodo Azul)

(18) **A character in this novel befriends the blind De Lacey after learning French by reading a copy of *Paradise Lost* he finds in the woods. In this novel, the death of William is blamed on his family's servant, Justine Moritz, despite the protestations of (\*) Elizabeth Lavenza. Henry Clerval accompanies this novel's title man to a university in Ingolstadt, where he studies the animation of dead tissues. For ten points, name this novel by Mary Shelley in which the title scientist brings a monstrous being to life.**

ANSWER: Frankenstein; or, the Modern Prometheus

(19) **In his *Wonders of the Invisible World*, Cotton Mather warned against using “spectral evidence” during this event. Giles Corey repeatedly requested “more weight” while being pressed to death during this event. This event started after (\*) Betty Parris and Abigail Williams started having apparent epileptic fits. Tituba was arrested during, for ten points, what period of mass hysteria in Massachusetts in which dozens of women were accused of performing witchcraft?**

ANSWER: Salem Witch Trials (prompt on partial answer)

(20) **The abscissa describes the position of a point along this line. The graph of “ $y$  equals the tangent of  $x$ ” intersects this line at zero, pi, two pi, and so on. When graphed, the (\*) roots of a function lie on this line. In the Cartesian plane, the first two quadrants are separated from the third and fourth quadrants by, for ten points, what line that creates a right angle with the  $y$ -axis?**

ANSWER:  $x$ -axis