2014 SCOP Novice 5

Round 2

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Tossups

1. **John Keats wrote a poem about George Chapman’s translation of this author, who wrote about unfortunate characters who eat Helios’s cattle in one of his works. This author wrote about the “Wrath of Achilles” and about (\*)** Penelope, the mother of Telemachus, who undoes her weaving everynight as she waits for her husband to return to Ithaca after the Trojan War. For 10 points, identify this author of *The Iliad* and *The Odyssey.*

Answer: **Homer**os

1. **This ruler was supported and succeeded by the vizier Ay. This successor of Smenkhare reverted many of the religious reforms made by his father, including the worship of Aten. After dying, possibly in a chariot accident, he was buried in (\*)** KV62, a tomb discovered in 1922 by a team led byLord Carnavon and Howard Carter. For 10 points, name this son of Akhenaten, a boy Pharaoh of Egypt. Answer: **Tutankhamun** (accept "King **Tut**")
2. **One form of this action, Fajr [fah-jur], consists of 2 raka’at [ray-kah-aht] before sunrise. The adhan is a call by the muezzin for people to perform this action, which is preceded by wudu, a ritual washing. This action, led in congregation by the (\*)** imam, is the second pillar of Islam. For 10points, name this religious practice, called salat in Arabic, that is performed five times each day while facing Mecca.

Answer: (Islamic) **prayer** (accept **salat** before mention)

1. **One king of this name was arrested in Varennes [vah-REN] while fleeing from a revolt. An**

**earlier king of this name was a child when the nobles rose against him in the Fronde uprising. The House of Capet included five kings of this name. The last king of this name took power in the 1814**

**(\*)** Bourbon Restoration, and the longest serving king of this name was nicknamed "the Sun King." For

1. points, give this name shared by eighteen royal leaders of France. Answer: **Louis**

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1. **This number is squared in the solution to the Basel problem. One experiment to calculate this number exploits the Buffon's needle problem. Archimedes (\*)** approximated this number, the numberof radians in 180 degrees, by bounding it by the perimeters of 96-sided polygons, finding that it is less than 22 over 7. For 10 points, give this ratio of a circle's circumference and diameter, an irrational number approximately equal to 3.14.

Answer: **pi**

1. **Clara sings that "Fish are jumpin' and the cotton is high" in this composer's song "Summertime." He included bongos and maracas in his *Cuban Overture*, and he wrote songs like**

**“Embraceable You” with his brother (\*)** Ira. He improvised the piano part at the 1924 premiere of hismost famous work, a fusion of classical music and jazz. For 10 points, name this American composer of *Porgy and Bess* and *Rhapsody in Blue*.

Answer: George **Gershwin**

1. **In this work, David Gamut tries to teach beavers to sing psalms, and Heyward pretends to be a medicine man so he can rescue Alice. Cora Munro is captured by Magua, who kills Uncas during a failed rescue attempt by (\*)** Chingachgook and Natty Bumppo, who is also known as Hawkeye. For 10points, identify this second novel in *The Leatherstocking Tales*, a work by James Fenimore Cooper.

Answer: The **Last of the Mohicans**

1. **The instinctive palmar grasp reflex is this type of behavior in human babies, and Robert Wiedersheim mistakenly included the pineal gland in his list of 86 of these structures. The muscles that cause goosebumps may be this type of organ, as are (\*)** kiwi’s wings and the pelvic bones ofwhales. The human tailbone and appendix are examples of, for 10 points, what type of structure that served a role in an ancestor species but do not have a present function?

Answer: **vestigial** structures (accept "organs" or "behaviors" in place of "structures")

1. **Philae was the center of this goddess’s cult. This goddess made a snake out of earth to bite Ra, which forced Ra to give up his true name. This goddess searched for a tamarisk tree to find her dead husband after he was tricked by (\*)** Set; she later reassembled thirteen pieces of that husband tomake him the god of the dead. For 10 points, name this Egyptian goddess, the mother of Horus and wife of Osiris.

Answer: **Isis** (accept **Aset**, **Eset**, or **Ese**)

1. **The Dulong-Petit law approximates the heat capacity of materials in this phase. Silicon dioxide can be an example of the “amorphous” type of this phase, during which (\*)** sublimation can occur.The phase diagram of water has a negative slope between this phase and the liquid phase. For 10 points, name this phase of matter, exemplified by materials such as glass.

Answer: **solid** (accept **crystal**s before “amorphous”)

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1. **In this battle, Joshua Chamberlain ordered a bayonet charge to defend a hill. Richard Ewell assaulted, but failed to take, Culp's Hill on each of the three days of this battle. Cemetery Ridge was the site of (\*)** Pickett's Charge, a failed assault in this battle that represented the high water mark of theConfederate invasion. For 10 points, name this July 1863 battle, the turning point of the Civil War, after which Abraham Lincoln gave a famous address.

Answer: Battle of **Gettysburg**

1. **A character in this work refuses a marriage proposal from St. John [sin-jin], and doubts Alice Fairfax, who blames strange sounds on Grace Poole. Mr. Bocklehurst causes the death of (\*)** HelenBurns, whom the protagonist meets at Lowood School in this novel. Bertha Mason was the first wife of Edward Rochester, who eventually marries the protagonist of, for 10 points, this novel by Charlotte Brontë.

Answer: **Jane Eyre**

1. **In the background of this painting, a group of four men wearing red hats are rowing a boat. In this painting, a man plays a trumpet behind two soldiers who are walking away from the viewer. A little girl in white looks directly at the viewer, and a woman in the foreground of this large painting walks a (\*)** monkey on a leash. Painted with uniformly-sized dots of color, rather than brushstrokes is, for
2. points, what pointillist painting by Georges Seurat [zhorzh soo-RAH]?

Answer: A **Sunday Afternoon on the Island of la Grande Jatte** (accept Un **dimanche après-midi à** **l'Île de la Grande Jatte**; prompt on “Sunday Afternoon” or “(La) Grande Jatte” alone)

1. **The pair-instability type of this event was observed for the first time in 2006. Cas A and the Crab Nebula are remnants of these energetic events that can occur when a white dwarf exceeds the**

**(\*)** Chandrasekhar limit. During these events, heavy elements can be synthesized when the core of theparent star collapses. For 10 points, name these events, classified as Types 1 and 2, during which stars explode very violently.

Answer: **supernova**s (do not prompt on or accept “nova”)

1. **Alvaro woos Serafina with the title object in this author's *The Rose Tattoo.* This man wrote *The* *Night of the Iguana* and a work in which Jim Lawrence breaks the horn of Laura Wingfield’sunicorn. In another of his plays, the protagonist loses Belle Reve [bell rehv], and (\*)** StanleyKowalski fights with his sister-in-law, Blanche DuBois, in New Orleans. For 10 points, name this American playwright of *The Glass Menagerie* and *A Streetcar Named Desire.*

Answer: Thomas Lanier "Tennessee" **Williams** III

1. **In August 2014, four firefighters in Campbellsville, Kentucky helping with this action were injured by a power line. Critics of this action noted that only 28% of money involved is spent on research. Patrick Stewart silently poured himself a drink to perform this action, while (\*)** PresidentObama wrote a $100 check as his response. For 10 points, name this viral "challenge" to donate money to the ALS Association or be doused in cold water.

Answer: (ALS) **Ice Bucket Challenge**

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1. **This speech notes that America has given a "bad check," but its speaker refuses to believe that "the bank of justice is bankrupt." This speech hopes that the "table of brotherhood" will join together the sons of slaves and slave owners and that the speaker's (\*)** "four little children" will bejudged "by the content of their character." For 10 points, name this speech, given at the March on Washington on August 28, 1963 by Dr. Martin Luther King.

Answer: **I Have A Dream**

1. **Avulsion is causing the Atchafalaya River to gain volume from this river. One bend in this river forms an exclave of Fulton County, Kentucky, and it was said to flow backward during the New Madrid [MAA-drid] earthquake. Its headwaters are at (\*)** Lake Itasca, and it is joined at Cairo [kay-roh], Illinois by the Ohio River. New Orleans lies near the end of the 2,300 mile long journey of, for 10 points, what longest river in the United States?

Answer: **Mississippi** River

1. **The Spitzer telescope operates in this range of the light spectrum. This region of light is used in spectroscopy to measure vibrating bonds. William Herschel discovered this non-visible type of light from the sun by measuring its (\*)** heating ability. For 10 points, name this region of electromagneticradiation used in night vision goggles and thermal imaging that, unlike ultraviolet light, has longer wavelengths than visible light.

Answer: **infrared** light (accept **infrared** radiation)

1. **In a pair of works by this author, Timaeus describes the origin of the universe and Critias details the history of Atlantis. He wrote of Kallipolis, an ideal city-state where philosopher-kings rule, in a work that seeks to define justice for individuals and the (\*)** city-state. For 10 points, namethis Ancient Greek philosopher, a teacher of Aristotle and author of dialogues, like The Republic, which feature his teacher, Socrates.

Answer: **Plato**