

2015 SCOP 6 Middle School Edition

Round 5

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Tossups

1. **Companies showed support for one part of this program by displaying blue eagles. It led to the creation of the Tennessee Valley Authority and the construction of the Hoover Dam, allowing unemployed workers to move out of (*) Hoovervilles.** For 10 points, name this series of economic programs, including the WPA and NRA, Franklin Roosevelt's attempt to end the Great Depression

Answer: The New Deal

2. **One ruler of this country constructed a statue of Buddha using weapons he confiscated in a “sword hunt,” and the Dutch established a trading outpost on this country’s Dejima island. The Tokugawa (*) Shogunate in this nation moved its capital from Kyoto.** For 10 points, name this Asian nation now ruled from Tokyo.

Answer: State of Japan (accept Nihon-koku or Nippon-koku)

3. **In Kate Chopin’s *The Awakening*, Edna Pontellier [pon-tell-ee-AY] dies in this manner. In Victor Hugo’s *Les Misérables* [lay mih-zeh-ROB], Inspector Javert [jah-VAYR] commits suicide in this fashion. Virginia Woolf committed suicide in this way by putting (*) stones in her pockets and walking into the River Ouse.** For 10 points, name this manner of death caused by inhaling water.

Answer: drowning (prompt on “suicide” until it is read)

4. **Gaseous isotopes are separated through a type of motion named for this shape. Kepler proved that planetary orbits are elliptical, rather than this shape. (*) Centrifuges move samples along a path with this shape.** For 10 points, name this geometric shape whose circumference is equal to twice its radius times pi.

Answer: circles (accept circular paths; accept circular motion; accept rings; do not accept “ellipses”)

5. **Johannes Brahms thanked one of these institutions in Breslau by writing a *Festival Overture*. One of these places in New York is named for Augustus Julliard. Each year, these places traditionally play the “Land of Hope and Glory” tune from a Sir Edward Elgar work, (*) *Pomp and Circumstance*.** For 10 points, name these institutions, often called conservatories when they focus on music, that educate students.

Answer: schools (accept any equivalents, like universities; accept music conservatory)

6. **Octave Chanute organized a precursor for this event along the shores of Lake Michigan. The site for this event was chosen for its proximity to a meteorology station, and for its consistent winds. The first person allowed to attempt this feat at (*) Kitty Hawk only remained airborne for three seconds.** For 10 points, name this event in which two brothers in Ohio took to the sky.

Answer: Wright Brothers’ flight (accept descriptions that include Wright and the suggestion of flight; prompt on “flight” alone)

7. **The gamma function extends this operation to inputs other than positive integers. For any number of objects, this operation can determine the number of ways they can be arranged through (*) permutation.** For 10 points, name this mathematical operation, in which a number and the integers smaller than it are multiplied together--such as three times two times one--and which is symbolized by an exclamation point.

Answer: factorial

8. **At ground level, this chemical compound is a pollutant that cracks rubber. This compound is measured in Dobson units and is the subject of the Montreal protocol, which led to the widespread replacement of (*) CFCs.** For 10 points, name this molecule with chemical formula O_3 ["O-3"], which blocks UV rays in an important layer of the atmosphere.

Answer: ozone (accept O_3 before mention)

9. **Priests of this religion are called houngans and mambos. This religion's god is Bondye, who is served by the black tuxedo-wearing spirit of the dead, Baron Samedi. Papa Legba is one of this religion's spirits, known as Iwa [LOH-ah]. This religion is derived from Catholic and (*) Yoruban beliefs and was founded in Haiti.** For 10 points, name this religion, which doesn't actually use namesake "dolls."

Answer: Haitian Vodou (accept Voodoo)

10. **In a short story by this author, Nag and Nagaina are defeated by the title mongoose, Rikki-Tikki-Tavi. In another of this author's works, a family of wolves adopts a "man cub" who is threatened by the tiger Shere Khan. (*) Baloo and Bagheera are the friends of Mowgli in a collection written by,** for 10 points, what English author of *The Jungle Book*?

Answer: Rudyard Kipling

11. **This man became a "Defender of the Faith" after writing *Defense of the Seven Sacraments*, and Thomas More was executed after refusing to attend the coronation of this man's wife. The Act of Supremacy made this ruler Head of the (*) Church of England, a position he created to annul his marriage to Catherine of Aragon.** For 10 points, name this English king who was known for his string of wives.

Answer: King Henry VIII Tudor (prompt on "Henry")

12. **In this novel, an affair between Queen Anne and the Duke of Buckingham is almost revealed by a woman with a criminal's fleur-de-lis branded into her shoulder. Milady de Winter is foiled in this novel by (*) Aramis, Athos, Porthos, and D'Artagnan [dar-tan-yan].** For 10 points, name this book by Alexandre Dumas about a small group of soldiers who use the motto "one for all and all for one."

Answer: The Three Musketeers (accept Les Trois Mousquetaires)

13. **The flooding of this river creates seasonal varzea forests. A cliff on Nevado Mismi is the source of this river, which is called the Solimões [soh-lee-MOYSH] until it meets the Rio Negro at Manaus. This river, whose delta nearly reaches (*) French Guiana, is the namesake habitat for a pink river dolphin.** For 10 points, name this massive South American river that flows through the largest rainforest on Earth.

Answer: Amazon River (accept Solimões River until it is read)

14. **Hematopoietic [HEE-mat-oh-poh-YET-ik] stem cells form within long structures made of this tissue, which can suffer rickets due to a lack of vitamin D or (*) calcium.** This tissue is made by osteoblasts and surrounds marrow. For 10 points, name this tissue that makes up the skeletal system.

Answer: bone tissue (accept osseous tissue)

15. **This team supposedly gave its rookie quarterback a blank DVD labeled "Gameplan." They controversially used a first round draft pick on kicker Sebastian Janikowski. The late (*) Al Davis sued the NFL multiple times while owning, for 10 points, what team, whose current players include receivers Michael Crabtree and Amari Cooper, and quarterback Derek Carr?**

Answer: Oakland Raiders (accept either underlined name)

16. **In a James Fennimore Cooper novel named after this profession, Harvey Birch is suspected of doing this job for England, and this occupation finishes the title of a John le Carré novel called *Tinker, Tailor, Soldier*, (*) "this." Ian Fleming wrote about a man with this profession in novels like *Casino Royale*.** For 10 points, name this profession held by secret agents like James Bond.

Answer: spy (accept clear equivalents; accept secret agent before it is read)

17. **Polydectes ["polly"-dek-teez] ordered the death of this figure, whose blood formed coral reefs when it fell into the sea. This sister of Stheno [s-theh-noh] and Euryale [yoo-ree-ah-lee] had her face pressed into Athena's Aegis [ee-jiss] shield. (*) Perseus used another shield as a mirror to help avoid this woman's petrifying gaze.** For 10 points, name this gorgon, who turned humans to stone with her terrifying face and snake hair.

Answer: Medusa

18. **The two most common types of these objects are "stony" and "carbonaceous." Heinrich Olbers discovered two large examples of these objects that he called Pallas and Vesta, and a collision with one of these space-faring objects produced the (*) Chicxulub [cheek-SHA-loob] crater in the Yucatan.** For 10 points, name these large rocks that form a namesake "belt" between Mars and Jupiter.

Answer: asteroids (do not accept "comet")

19. **This man's "Pittsburgh Plan" was criticized by Ida Tarbell, and that plan led to the formation of the National Refineries Association. After losing a court case against New Jersey, a company owned by this man was broken up under the (*) Sherman Antitrust Act.** For 10 points, name this American industrialist who founded Standard Oil.

Answer: John D(avidson) Rockefeller Sr.

20. **This artist created a series of paintings of haystacks in different lights and seasons. This artist painted an arched green bridge in his garden in Giverny [zhee-vayr-NEE], where this man painted picture after picture of (*) *Waterlilies*.** This artist depicted shadowy boats and a low, orange sun over a harbor in a work that accidentally named the Impressionist movement, which this French artist helped found. For 10 points, name the Impressionist painter of *Impression, Sunrise*.

Answer: (Oscar-)Claude Monet

Bonuses

1. This woman left Virginia with John Rolfe, but died before she could return home. For 10 points each,
[10] Name this Native American woman, who interacted with the Jamestown settlers. After her conversion to Christianity, this woman took the name Rebecca.

Answer: **Pocahontas** (accept **Matoaka**; accept **Amonute**)

[10] Pocahontas allegedly saved this Englishman from her father's club. However, most historians agree that the event never happened.

Answer: John **Smith**

[10] Pocahontas' father was this Native American chief who led a namesake tribe.

Answer: **Powhatan** (accept **Wahunsenacawh**)

2. The figure on the left of this painting raises his hand in welcome, while his wife stands next to him in green, holding her long skirts over her stomach. For 10 points each,

[10] Identify this masterpiece by Jan van Eyck [yahn van ike], which shows a namesake merchant and his bride.

Answer: The **Arnolfini Wedding** (accept The **Arnolfini** (Double) **Portrait**; accept Giovanni **Arnolfini** and His **Bride**; accept any other answer including **Arnolfini** and the suggestion of a wedding or marriage)

[10] This citrus fruit, a symbol of the Medici family, sits under an open window in *The Arnolfini Wedding*.

Answer: **orange**

[10] Orange trees appear on the left of this painting by Botticelli, in which the title Roman goddess of beauty rises from the ocean on a seashell.

Answer: The **Birth of Venus** (accept **Nascita di Venere**)

3. The narrator of this novel joins Queequeg and Starbuck on a ship's crew, and tells the reader to "call me Ishmael." For 10 points each,

[10] Name this novel about Captain Ahab's search for the title white whale, who bit off Ahab's leg.

Answer: **Moby Dick**; or, The Whale

[10] *Moby Dick* was written by this American author. John Claggart is accidentally killed by the title character of this man's novella *Billy Budd*.

Answer: Herman **Melville**

[10] *Moby Dick* is largely set on this ship, captained by Ahab, which is finally destroyed by the white whale.

Answer: **Pequod**

4. This leader was attacked and denounced in the "Secret Speech." For 10 points each,

[10] Name this ruler, who outmaneuvered Leon Trotsky to succeed Vladimir Lenin. This man led his country through World War II.

Answer: Joseph **Stalin** (accept Ioseb **Dzhugashvili**)

[10] The "Secret Speech" was given by this successor to Stalin. During a meeting with the United Nations, this leader allegedly banged his shoe on a table in protest.

Answer: Nikita Sergeyevich **Khrushchev**

[10] Both Stalin and Khrushchev were leaders of this communist state, whose last leader was Mikhail Gorbachev.

Answer: **United Soviet Socialist Republics** (accept **Soviet Union**; accept **CCCP**)

5. This style of music's popularity in the 1920s helped lead to a raucous "Age" named for it. For 10 points each,
[10] Name this American musical genre, played by trumpeter Louis Armstrong and pianist Duke Ellington.

Answer: **jazz**

[10] Jazz is often decried as musicians just "making it up," but a lot of talent and technical practice is required to be good at this process of immediate musical composition.

Answer: **improvisation** (accept word forms like **improv**)

[10] Jazz makes heavy use of this technique, the shifting or breaking of the natural flow of the rhythm by placing accents on offbeats or other unusual places. Backbeats are an example of this technique.

Answer: **syncopation** (accept word forms like **syncopated** rhythm)

6. Porfiry Petrovich investigates this novel's protagonist's murder of a pawnbroker. For 10 points each,
[10] Name this novel about Rodion Raskolnikov, who justifies killing Alyona Ivanova by saying he wants to be Napoleon.

Answer: **Crime and Punishment** (accept **Prestupleniye i nakazaniye**)

[10] This author of *Crime and Punishment* and *The Idiot* also wrote a novel about Dmitri, Ivan, and Alyosha.

Answer: Fyodor Mikhailovich **Dostoevsky**

[10] In another Dostoevsky novel, Smerdyakov shares this relationship with Dmitri, Ivan, and Alyosha Karamazov.

Answer: half-**brothers** (accept half-**siblings**)

7. This video game recently replaced Peter Dinklage with Nolan North. For 10 points each,
[10] Name this "shared-world shooter" whose third expansion, *The Taken King*, was released in September 2015.

Answer: **Destiny**

[10] Destiny is a game created by this company. This company also created *Halo* and later lost the rights to *Halo* to 343 Industries.

Answer: **Bungie, Inc**

[10] 343 Industries was formed by this parent company after this company split with Bungie in 2007. This company was founded by Paul Allen and Bill Gates.

Answer: **Microsoft** Studios

8. The connection of living beings to the earth was of great importance to many early religions. Answer the following about mud and dirt, for 10 points each.

[10] Humans were created from earth, wood, and maize in the *Popol Vuh*, the holy book of this mesoamerican culture that ruled lands south of the Aztec Empire from its capital, Chichen Itza.

Answer: **Mayan** Empire

[10] In Greek mythology, this titan used mud to create the first humans. This Titan was chained to a rock, where an eagle consumed his liver every day as punishment for giving fire to humanity.

Answer: **Prometheus**

[10] In old Jewish folklore, the Maharal of Prague created this animatronic creature out of clay to protect the Prague Ghetto from attacks.

Answer: **golem**

9. When following the scientific method, one of these statements can be tested by performing an experiment. For 10 points each,

[10] Identify the term for this kind of prediction about the outcome of an experiment or a process in nature. These statements are often written in “If, Then” form.

Answer: **hypothesis** (accept **hypotheses**)

[10] When a hypothesis has been repeatedly confirmed by experimentation or observation, it becomes one of these, a well-supported explanation of how nature works. Einstein famously devised one of relativity.

Answer: **theory**

[10] The process of turning a hypothesis into a theory often involves this type of reasoning, in which specific cases are used to make a general rule. This type of reasoning allowed Kepler to determine the elliptical orbits of planets after observing the movement of Mars.

Answer: **inductive** reasoning (accept **induction**)

10. He used a cathode ray tube to conduct groundbreaking research on subatomic particles. For 10 points each,

[10] Name this scientist who showed that the beam from a cathode ray tube is negatively charged, establishing the existence of the electron.

Answer: J(oseph) J(ohn) **Thomson**

[10] Thomson’s subsequent model of the atom was given this name as it was thought that the electrons were evenly dispersed in a positive charge, resembling a traditional Christmas dessert.

Answer: **plum pudding** model

[10] Thomson’s work on the plum pudding model was conducted in this country at the Cavendish Laboratory of Cambridge University.

Answer: **England** (accept Great **Britain**; accept **United Kingdom**)

11. After the Great Upheaval in 1755, the Acadians were expelled to, among other places, this modern-day state. For 10 points each,

[10] Name this Gulf Coast state, whose bilingual tradition is maintained by multiple ethnic groups, including the Cajuns.

Answer: **Louisiana**

[10] This is Louisiana’s second most common language, spoken by the settlers who owned it prior to the Louisiana Purchase.

Answer: **French**

[10] This pidgin language has French and African roots, and is still spoken in Louisiana. The name for this language is also used generally to refer to any language naturally formed from a pidgin.

Answer: **Creole**

12. This text includes the “Cow” sura, and is divided into ayat. For 10 points each,

[10] Name this most holy text of Islam, which recounts Allah’s revelations to Muhammad.

Answer: al-**Quran**

[10] The Quran was revealed to Muhammad by this archangel, who gave a revelation to Mary in Christianity.

Answer: **Jibreel** (accept **Gabriel**)

[10] Quran means “recitation,” and Muslims recite the entirety of the Quran during this holy month, the ninth in the Islamic calendar.

Answer: **Ramadan**

13. Charles Darwin's *On the Origin of Species* uses information he collected in this island chain. For 10 points each,

[10] Name these Pacific islands, where Darwin observed a plethora of finch species.

Answer: Galápagos Islands (accept Islas Galápagos; accept Archipiélago de Colón)

[10] Darwin classified the Galápagos finches based on this organ, which is used for cracking seeds, digging into cacti, or hunting insects in various species.

Answer: beaks

[10] Darwin used this two-word term in *On the Origin of Species* to explain the enormous variety of finch species on the Galápagos Islands. In this mechanism of evolution, the individuals most fit for an environment survive and reproduce.

Answer: natural selection

14. This author wrote, "The ship has weather'd every rack, the prize we sought is won" in one of his elegies. For 10 points each,

[10] Identify this American poet, whose poem "Crossing Brooklyn Ferry" begins "Flood-tide below me!" This author of "O Captain! My Captain!" spent much of his life revising his collection *Leaves of Grass*.

Answer: Walter "Walt" Whitman Jr.

[10] Whitman wrote "O Captain! My Captain!" and "When Lilacs Last in the Dooryard Bloom'd" as elegies for this sixteenth American president.

Answer: Abraham Lincoln

[10] In this fifty-two-part Walt Whitman poem, the narrator sounds his "barbaric yawp over the rooftops of the world." This long poem begins, "I celebrate myself, and sing myself."

Answer: Song of Myself

15. This quantity measures the average kinetic energy of particles in a substance. For 10 points each,

[10] Name this quantity measured by the Celsius and Kelvin scales that is based on the thermal motion of a substance.

Answer: absolute temperature (accept T)

[10] Temperature is partially defined by the Zeroth one of these laws. These four laws describe the behavior of heat and energy.

Answer: Laws of Thermodynamics

[10] The Third Law of Thermodynamics says that entropy in a system approaches a usually low constant as the temperature approaches this extreme temperature, equal to -273.15 degrees Celsius.

Answer: absolute zero (accept zero Kelvin)

16. Two Hittite spies were tortured in the prelude to this battle, and one side in this battle was commanded by Muwatallis II. For 10 points each,

[10] Name this 1274 BCE battle in which the Ra and Ptah divisions contributed to the largest chariot battle in history.

Answer: Battle of **Kadesh**

[10] The Battle of Kadesh was won by this empire. During the battle, this empire's troops were commanded by a pharaoh.

Answer: **Egyptian Empire**

[10] The commander of the Egyptian forces for the Battle of Kadesh was this pharaoh, the husband of Nefertiti who ordered the construction of Abu Simbel.

Answer: **Ramses II** (prompt on "Ramses;" accept **Ramses the Great**; accept **Ozymandias**)

17. This theorem was proven by James Garfield in 1876 and by its namesake, a Greek philosopher and mathematician, millennia earlier. For 10 points each,

[10] Name this theorem comparing the lengths of the sides of right triangles. The corresponding formula is usually stated as "a squared plus b squared equals c squared."

Answer: **Pythagorean** Theorem (accept **Pythagorean** Formula)

[10] "C" in the Pythagorean Theorem refers to this side, which is opposite the right angle of a triangle.

Answer: **hypotenuse**

[10] Garfield's proof of the Pythagorean Theorem involves a particular arrangement of two copies of a right triangle with a line segment connecting two vertices, forming one of these specific four-sided shapes.

Answer: **trapezoid** (prompt on "quadrilateral")

18. This President signed Executive Order 9981 which desegregated the armed forces. For 10 points each,

[10] Name this successor to Franklin Roosevelt whose namesake doctrine provided aid to Turkey and Greece.

Answer: Harry S. **Truman**

[10] Early in his career, Truman served as a Senator from this state. While in this state, Truman was aided by Tom Pendergast in becoming a Jackson County judge.

Answer: **Missouri**

[10] During the election of 1948, this Chicago newspaper mistakenly reported that Thomas Dewey had defeated Truman.

Answer: Chicago **Tribune**

19. At the beginning of this play, it is predicted one man will be king but his friend will beget a line of kings. For 10 points each,

[10] Name this so-called “Scottish Play,” a tragedy by Shakespeare about a title Thane of Glamis who, along with his scheming wife, murders his way to the throne, only to be undone by fear and paranoia.

Answer: The Tragedy of **Macbeth**

[10] In Macbeth, this man is predicted to sire a line of kings. Macbeth suspects this man and his son, Fleance, of plotting against him, so he has this man killed.

Answer: **Banquo**

[10] The three witches that appear to Macbeth and Banquo at the beginning of the play are known by this name. A rock group in Harry Potter also goes by this name.

Answer: The **Weird Sisters**

20. This item was registered under the name “Eric Hoteham” in 2010, installed in Chappaqua, New York, and maintained by Bryan Pagliano. For 10 points each,

[10] Name this controversial piece of hardware, which had 32,000 communications deleted from it in potential violation of Federal law.

Answer: Hillary **Clinton's** personal **e-mail server** (accept any description of a personal **computer** on which Hillary **Clinton** stored work-related **e-mails**, unless in reference to a machine that couldn't store or transfer e-mails; prompt on partial answers)

[10] Clinton used that personal e-mail server for classified government business while serving in this Cabinet position in charge of American foreign affairs.

Answer: Secretary of **State** (accept descriptions like head of the **State** Department)

[10] Laws forbidding Clinton's conduct did not exist during her tenure, but a November 2014 law means that if this current Secretary of State did similarly, he would face penalties.

Answer: John **Kerry**