

2015 SCOP 6 Middle School Edition

Round 1

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Tossups

1. **A rival pulls this character’s bodice laces too tight, causing her to faint, and brushes this girl’s hair with a poisoned comb. A hunter pretends to bring the organs of this girl to the queen, whose magic (*) mirror tells her that this character has gone to live with seven dwarves. For 10 points, name this protagonist of a Grimm brothers fairy tale, a pale-skinned princess.**

Answer: Little Snow-White (accept Schneewittchen)

2. **After the death of this man, The Liberators’ Civil War was fought in Macedonia. This man introduced the concept of leap years in his namesake calendar, and he claimed “The die is cast” before crossing the (*) Rubicon river. This man won the Battle of Alesia, a victory over Vercingetorix. For 10 points, name this Roman Emperor who legendarily asked, “Et tu, Brute?” while being assassinated on the Ides of March.**

Answer: Gaius Julius Caesar

3. **This city is located in the Desert of Paran, where Allah created the Zamzam Well for Hajar and Ismail. The Black Stone is set in silver in this city’s Kaaba [kah-ah-bah], around which pilgrims walk during the (*) Hajj, and toward which Muslims face when praying. For 10 points, name this Islamic holy city, the birthplace of Muhammad.**

Answer: Mecca (accept Makkah)

4. **An attempt to cross a border in this modern-day city led to a standoff at its Checkpoint Charlie. This modern-day city underwent a period in which it was partially shared by British, French, and American forces. While giving a speech concerning this city, (*) Ronald Reagan said “tear down this wall!” For 10 points, name this city, which was once divided into two halves by a Soviet Union constructed wall.**

Answer: Berlin (prompt on West Berlin; prompt on East Berlin)

5. **This value, the derivative of x, is found in the numerators of terms in the harmonic series. There are this many even (*) prime numbers, and a line is an object with this many dimensions. For 10 points, name this first natural number, which is the multiplicative identity because values do not change when multiplied by it.**

Answer: one

6. **One of these musical works opens its Andante movement with fifteen and a half bars of soft theme followed by a sudden loud chord. Another of these works was originally dedicated to Napoleon, and is nicknamed *Eroica* [ay-ROH-ih-kah]. A (*) "short-short-short long" motif opens one of these long musical pieces written by Beethoven. For 10 points, name this four-movement genre of music exemplified by Haydn's [HY-din's] *Surprise*, and Beethoven's Fifth.**

Answer: symphony

7. **A couple in this short story discuss shortening the name “Dillingham” to “D” on their letterbox. A character in this story pays twenty-one dollars for a platinum chain after Madame Sofronie cuts her hair. Della sells her (*) hair to buy a watch fob and Jim sells his watch to buy combs in, for 10 points, what O. Henry short story about ironic Christmas gifts?**

Answer: The Gift of the Magi

8. **This disease is caused by the variola virus, and the major symptom of this illness include fluid-filled macules that blister, forming scars. Dr Edward Jenner developed the first vaccine against this disease by studying a related illness in (*) milkmaids. This disease was declared eradicated in 1979. For 10 points, name this infectious disease that killed many natives of the Americas and was probably a mutated form of cowpox.**

Answer: smallpox (prompt on “pox”)

9. **This god fathered Rhadamanthus, Minos, and the three Graces. This god’s son Orion was accidentally killed by this god’s daughter Artemis. He sewed his unborn son (*) Dionysus into his thigh until he was ready to be born. This god was the father of Heracles, a fact that angered this god’s wife, Hera. For 10 points, name this philandering Greek king of the gods.**

Answer: Zeus Pater

10. **Fiber optic cables use the “total internal” type of this phenomenon, which can be either “specular” or “diffuse,” which happens when this phenomenon occurs in an irregular material, such as the surface of (*) water. For 10 points, name this phenomenon, which happens when light bounces off a surface, such as a mirror.**

Answer: reflection (accept total internal reflection)

11. **This man was forced to surrender Fort Mifflin, which led to the Braddock expedition. This general was criticised by Thomas Conway after failing to defend against the (*) Philadelphia Campaign, and he surprised Hessian soldiers at the Battle of Trenton after he crossed the Delaware River. For 10 points, name this first President of the United States.**

Answer: George Washington

12. **In this literary work, Hrunding [h-RUN-ting] is loaned to the title warrior, who defeats a dragon with Wiglaf’s help. This epic poem’s title Geat [“gate”] kills an underwater witch after she invades a mead-hall. The King of the Danes, Hrothgar, asks this poem’s protagonist for help in defeating the monstrous (*) Grendel in, for 10 points, what Old English poem about a namesake Viking?**

Answer: Beowulf

13. **A building in this city, commissioned by Maurice de Sully, includes an early use of flying buttresses and a large rose window. This city contains a glass pyramid designed by I.M. Pei, [“pay”] as well as the Arc de Triomphe [ark duh tree-OMF], on the right bank of the (*) Seine River [sehnh river]. The Louvre [looov], the Notre Dame [noh-truh DOM] cathedral, and the Eiffel Tower are in, for 10 points, what capital city of France?**

Answer: Paris, France

14. **This object may have been created because of a collision with the ancient planet Theia [THAY-ah]. This astronomical object is in synchronous orbit around its planet, and contains plains known as (*) “marias” [MAH-ree-ahs], which include the Sea of Tranquility. For 10 points, name this satellite of Earth, which was walked on by Neil Armstrong.**

Answer: moon (accept Luna)

15. **In a play in this language, a chorus of frogs sing “bre-ke-ke-kax, ko-ax, ko-ax.” This language was used for *The Clouds* and *The Birds*, two works of ancient comic theater. Writers in this language include (*) Aristophanes, Sophocles, and Euripides. For 10 points, name this language used by playwrights from Athens.**

Answer: Greek (accept Ancient Greek; prompt on Hellenic)

16. **This actor plays a man who acts out scenes from *Road House* to entertain a debate watch party. This actor portrayed a wildlife specialist on Isla Nublar who helps Zach and Gray survive, and this man pilots (*) Milano and receives “Awesome Mix, Vol 1” from his dying mother in his role as Star-Lord. For 10 points, name this actor who played Andy on *Parks and Rec* and velociraptor trainer Owen Grady in *Jurassic World*.**

Answer: Chris(topher) Michael Pratt

17. **While aboard the *USS Abraham Lincoln*, this man gave a speech while a banner reading “mission accomplished” hung in the background. This president was criticized for continuing to (*) read “My Pet Goat” after he was informed of an attack on the World Trade Center. For 10 points, name this President of the United States who declared war after the September 11th attacks.**

Answer: George Walker Bush (accept Bush 43; accept descriptions like “Bush the younger;” prompt on “Bush” or “George Bush;” do not accept "Bush 41;” do not accept "George Herbert Walker Bush")

18. **This continent’s Snowy Mountains contain its highest point, Mount Kosciuszko [koh-SHOO-skoh], and its east is split by the Great Dividing Range. This continent contains (*) Ayers Rock, a massive rock formation called Uluru by the Aborigines. The Great Barrier Reef surrounds, for 10 points, what island continent?**

Answer: Australia

19. **This type of energy is used by pole-vaulters in its “elastic” form, and multiplying the weight of an object times its height above Earth gives this energy’s (*) “gravitational” type. For 10 points, name this type of “stored” energy, which a roller coaster converts to kinetic energy at the bottom of a hill?**

Answer: potential energy

20. **The repetition of these events causes a condition discovered by Dr. Bennett Omalu called chronic traumatic encephalopathy, or CTE, which has been observed in autopsies of professional (*) boxers and football players. For 10 points, name these mild traumatic brain injuries in which a force causes the brain to strike the skull.**

Answer: concussions (accept mild traumatic brain injuries before mentioned)

Bonuses

1. In 1905, this object was kicked into the Rideau Canal. Thankfully, it was during the winter and in Canada, so the canal was frozen over. For 10 points each,

[10] Identify this bottom-heavy trophy, named after a Governor General of Canada. This trophy is awarded yearly to the winner of a finals series put on by the National Hockey League.

Answer The **Stanley Cup** (accept **Lord Stanley's Cup**; prompt on “the Cup”)

[10] This Chicago-based team is the most recent winner of the Stanley Cup, winning in a 4-2 series over the Tampa Bay Lightning.

Answer: The Chicago **Blackhawks**

[10] The Blackhawks are captained by this Canadian center. He wears number 19 and is the youngest person ever to win an Olympic Gold medal, a World Championship gold medal, and the Stanley Cup.

Answer: Jonathan **Toews** [TAYVZ]

2. The Straits of Mackinac [MAK-in-aw] connect two of these bodies of water called Michigan and Huron. For 10 points each,

[10] Name this chain of enormous freshwater lakes found between the United States and Canada.

Answer: **Great Lakes**

[10] This Great Lake, named for a Canadian Province, is the smallest by surface area. The city of Toronto sits on the banks of this lake.

Answer: Lake **Ontario**

[10] This river is the outlet from the Great Lakes to the Atlantic Ocean. This river forms a natural border between the U.S. and Canada.

Answer: **St. Lawrence** River

3. This character has a brief relationship with Amy Lawrence and sees Injun Joe murder Dr Robinson. For 10 points each,

[10] Identify this character, who gets trapped in McDougal's Cave with Becky Thatcher.

Answer: Thomas “**Tom**” **Sawyer** (accept either underlined name)

[10] This American author wrote *Tom Sawyer*, as well as a short story about Jim Smiley, “The Celebrated Jumping Frog of Calaveras County.”

Answer: Mark **Twain** (accept Samuel Langhorne **Clemens**)

[10] Along with his half brother Sid, Tom lives with this woman and her daughter in St. Petersburg, Missouri. Tom convinces his friends to whitewash this character's fence.

Answer: Aunt **Polly**

4. This ship departed from Southampton in 1912. For 10 points each,

[10] Name this Olympic Class ocean liner which sank after hitting an iceberg on its maiden voyage.

Answer: RMS **Titanic**

[10] The *Titanic* was operated by this cruise line, whose flag featured their namesake celestial object. This cruise line later merged with their former competitor, Cunard Line.

Answer: **White Star** Line of Boston Packets (accept **Oceanic Steam Navigation Company**)

[10] Cunard Line built this cruise ship that was sunk off the coast of Ireland during World War I. Despite official statements saying otherwise, this ship was indeed carrying weapons.

Answer: RMS **Lusitania**

5. The Great Swamp Fight occurred in this colony, which was also home to Samuel Slater's textile workshop. For 10 points each,

[10] Name this tiny American state, whose capital is Providence. This state was home to the Narragansett Indians and Anne Hutchinson.

Answer: **Rhode Island** and Providence Plantations

[10] This author of *The Bloody Tenent of Persecution* founded Rhode Island to be a place of religious freedom.

Answer: Roger **Williams**

[10] Another colony founded for religious reasons was this Catholic safehaven, which was created by George Calvert, Lord of Baltimore.

Answer: **Maryland**

6. James Thurber wrote a collection of these stories *For Our Time*, including one about "The Unicorn in the Garden." For 10 points each,

[10] Give the term for a story in which anthropomorphic animals or other characters teach a moral lesson. Many of these stories were written by Aesop.

Answer: **fables**

[10] Thurber adapted this Aesop fable, in which the title fast animal loses a race to a very slow creature because he stops to take a nap.

Answer: The **Tortoise and the Hare**

[10] Thurber also adapted another Aesop fable about two of these animals, who travel from the city to the country and vice-versa, only to discover they were each better off at home.

Answer: **mouse** (accept **mice**; accept The **Country Mouse** and the **City Mouse** or either underlined portion of that title; accept The **Mouse** Who Went to the Country)

7. This god of law helped judge the worthiness of the dead by weighing the feather of Ma'at. For 10 points each, [10] Name this ibis-headed Egyptian god of knowledge and magic, who invented writing and settled disputes between the gods.

Answer: **Thoth** (accept **Djehuty**; accept **Zehuti**; accept **Tetu**)

[10] Thoth decided whether deceased Egyptians were worthy of entering the afterlife by weighing the feather of Ma'at against this human body part.

Answer: **heart**

[10] In other myths, Thoth stood alongside Ra as he traveled across the sky on this kind of object, which represented the sun. Horus painted one of these objects to look like it was made out of stone to win a race on the Nile.

Answer: **boats** (accept equivalents like **ships**)

8. The first version of this chart included empty spaces for undiscovered elements like “eka-silicon” and “eka-germanium.” For 10 points each,

[10] Name this scientific chart, which shows elements with similar properties arranged in columns according to the order of their atomic numbers.

Answer: **periodic table** of elements

[10] This Russian scientist lends his name to element number 101. This man wasn't given the Nobel Prize even though he developed the periodic table.

Answer: Dmitri **Mendeleev**

[10] Mendeleev neglected to include this group of elements in the periodic table. These elements, situated on the far right of the table, have full valence shells and are mostly nonreactive.

Answer: **noble** gases (accept **inert** gases; accept **group 18**)

9. Characters in this ballet visit the Land of Snow and the Land of Sweets. For ten points each,

[10] Name this ballet in which Herr Drosselmeyer gives the title toy to Clara. This ballet includes the mesmerizing “Dance of the Sugar Plum Fairy.”

Answer: The **Nutcracker** (accept **Shchelkunchik**, balet-feyeriya; accept **Casse-Noisette**, ballet féerie)

[10] *The Nutcracker*'s score was composed by this Russian composer, who also wrote *Swan Lake* and the *1812 Overture*.

Answer: Pyotr Ilyich **Tchaikovsky**

[10] Tchaikovsky based this ballet on a Charles Perrault fairy tale. Carabosse curses King Florestan's daughter, who is saved by a kiss Prince Désiré in this ballet.

Answer: The **Sleeping Beauty** (accept **Spyashchaya krasavitsa**)

10. In the aftermath of one event in this city, a man was granted the title “Baron of Highfall.” For 10 points each, [10] Name this current capital of the Czech Republic, where Count von Thurm threw a pair of Catholic diplomats out of a window in 1618.

Answer: **Prague**

[10] The aforementioned defenestration of Prague - the second in its history - triggered this war, which ended with the Peace of Westphalia.

Answer: **Thirty Years’** War

[10] Gustavus Adolphus, the king of this country, was killed during the Battle of Lutzen in the Thirty Years’ War. This country lost eastern territory to Russia after the Great Northern War; that land eventually became Finland.

Answer: Kingdom of **Sweden**

11. For 10 points each, answer the following about the author who wrote about the Ramsay family in her novel *To the Lighthouse*.

[10] *To the Lighthouse* is by this English author, who wrote that a woman who wishes to be a writer must have “A Room of One’s Own.”

Answer: (Adeline) Virginia (Stephen) **Woolf**

[10] Woolf’s essay “A Room of One’s Own” is a work in this literary genre, which promotes the equal treatment of women.

Answer: **feminism** (accept word forms like **feminist** literature)

[10] In “A Room of One’s Own,” Woolf writes about siblings with this surname. One person with this surname is the real-life author of *Romeo and Juliet*; the other is his fictional sister, who dies in obscurity.

Answer: William and Judith **Shakespeare**

12. This is the largest organ, as it surrounds the entire human body. For 10 points each,

[10] Name this soft covering which contains layers like the dermis. Melanin darkens its coloring, and exposure to UV rays can give this organ sunburn.

Answer: **skin**

[10] This is the outermost layer of skin. It covers the dermis and is connected to it by the basement membrane.

Answer: **epidermis**

[10] Skin contains this structural protein that gives tendons their elastic quality. Fibroblasts produce this triple-alpha helix protein, the most abundant polypeptide in mammals.

Answer: **collagen**

13. 20. This art movement was pioneered by Georges Braque [zhorz brok] and a Spanish artist whose work went through Rose and African periods. For 10 points each,

[10] Name this artistic movement, which focuses on combining multiple viewpoints of an object to create a single abstracted form, and often uses blocky, geometric shapes.

Answer: **cubism** (accept word forms, such as **cubist** art)

[10] This Spanish artist helped found Cubism with geometric works like *Les Femmes d'Alger* [lay day-mwah-ZELLS da-vee-NYON] and *Guernica* [gayr-nee-kah].

Answer: Pablo Ruiz y **Picasso**

[10] Picasso's art is generally grouped into periods. This early period of Picasso's work is more sombre than his Rose period, and includes works like *The Old Guitarist*.

Answer: **Blue** Period

14. For 10 points each, answer the following about Mediterranean islands.

[10] This Italian island, home to Mount Etna, is the largest island in the Mediterranean Sea.

Answer: **Sicily**

[10] This Greek island was once home to the Minoan civilization. During their wars with an Italian city, the Ottoman Empire conquered this island.

Answer: **Crete**

[10] Before being taken by the Ottomans, Crete was controlled by this Italian city. This city, which was ruled by a Doge, is known for its gondolas.

Answer: **Venice**

15. An increase in sulfur dioxide and nitrogen dioxide in the atmosphere can cause this weather phenomenon. For 10 points each,

[10] Name this type of precipitation that causes metal corrosion and the erosion of stone statues, and has a low pH.

Answer: **acid rain** (accept **acid precipitation**; prompt on "acid" or "rain")

[10] Hourly pollution reports issued on Twitter by the US embassy in this country once described its air as "crazy bad." This Asian country's air pollution is a result of its many coal-burning factories and the second-highest number of cars in the world.

Answer: People's Republic of **China** (do not accept Republic of China)

[10] Both acid rain and smog may result from this controversial drilling technique that pumps water and chemicals into the ground to release natural gas and oil.

Answer: **hydraulic fracturing** (accept **hydrofracturing** or **hydrofracking**; accept **fracking**)

16. Being an early Christian was risky business. Identify these saints by their deaths, for 10 points each.

[10] This saint was imprisoned, beaten, and beheaded for providing marriages to Christian couples. This patron saint of love is commemorated on February 14.

Answer: Saint **Valentine** of Rome

[10] This saint, the namesake of an order of friars, was followed by Saint Clare and died from his stigmata after a long fast. This Italian is the patron saint of animals.

Answer: Saint **Francis** of Assisi

[10] This "doubting" Apostle was legendarily martyred in India, where he was impaled on a lance.

Answer: Saint **Thomas** the Apostle (accept Doubting **Thomas**)

17. The official definition of the meter is based on this constant. For 10 points each,

[10] Name this constant, symbolized c . This is the fastest that any object in the universe can travel.

Answer: **speed of light** in a vacuum

[10] These particles, the unit particle of light, exhibit wave-particle duality and travel at the speed of light.

Answer: **photon**

[10] Photons can move at the speed of light because they have none of this property, whose unit is the kilogram.

Because they do not have this property, photons have no rest energy.

Answer: **mass** (accept descriptions like “they have **no mass**”)

18 Okun’s law states that GDP will decrease by two percent when this phenomenon increases by one percent. For 10 points each,

[10] Name this quantity that is the percentage of people who are looking for a job, but are unable to find one.

Answer: **unemployment** rate (accept word forms like “**unemployed** people”)

[10] Unemployment generally increases during these economic “downturns” that occur when GDP remains down for at least two fiscal quarters. In 2008, the United States experienced a major one of these.

Answer: **recession** (accept Great **Recession**; do not accept “depression”)

[10] Unemployment is plotted on the X-axis of this curve. It displays an inverse relationship between unemployment and inflation.

Answer: **Phillips** Curve

19. For 10 points each, name the following mathematical terms that measure the center of a set of data.

[10] Adding all of the values in a set, then dividing by the total number of values, gives you the arithmetic type of this statistic.

Answer: arithmetic **mean** (accept **average**)

[10] The middle term of a set of data is given this term, which describes a value that is greater than exactly half of the values in a set.

Answer: **median**

[10] In geometry, this point is the average location of all the points in a two-dimensional shape. If the shape has uniform density, this point is also the center of mass.

Answer: **centroid** (prompt on (geometric) center)

20. For 10 points each, answer the following about a poem that concerns a creature that is “burning bright / in the forests of the night.”

[10] Name this poem about a title big cat, which asks “what immortal hand or eye / dare frame thy fearful symmetry?”

Answer: The **Tyger**

[10] This author wrote “The Tyger” as part of his *Songs of Experience*, and included a companion poem about a meeker creature in his *Songs of Innocence*.

Answer: William **Blake**

[10] This companion piece to “The Tyger” asks a creature with a “tender voice” and “softest clothing,” “dost thou know who made thee?”

Answer: The **Lamb**