

2015 SCOP Novice 6

Round 1

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Tossups

1. **This character is mourned by an owl, a raven, and a dove. 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. **In response to this event, Gaius Cassius Longinus was targeted in the Liberators' Civil War. This event started with a distraction by Tillius Cimber, which allowed Servilius Casca to** (*) stab the target of this event. In the aftermath of this event, the Second Triumvirate defeated its conspirators at Phillippi. For 10 points, name this event in which one man may have asked "Et tu?" after being stabbed by Brutus on the Ides of March.

Answer: the assassination of Gaius Julius Caesar (accept death of Gaius Julius Caesar or equivalents; prompt on "Ides of March" or "Idus Martii")

3. **Muslim residents of this city are required to travel to the Masjid-e-Aisha and return to a holy place in this city. 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. **Gail Halvorsen earned the nickname "Wiggly Wings" while airlifting supplies to this city, and a diplomat's attempt to cross a border in this city led to a standoff at Checkpoint Charlie. This city was originally split among the British, French, and** (*) Americans, and while giving a speech in this city, Ronald Reagan said "tear down this wall!" For 10 points, name this city, whose Soviet-ruled eastern half was separated from it by a namesake wall.

Answer: West Berlin (prompt on "Berlin;" do not accept "East Berlin")

5. **This number to the infinity power is an indeterminate form commonly seen in the limit definition of e. This value is found in the numerators of terms in the harmonic series. It is the derivative of (*) x.** 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. **Olivier Messiaen titled one of these musical works *Turangalila* [too-RON-gah-LEE-lah]. The Largo movement of one of these works inspired the song "Goin' Home." One of these opens its Andante movement with fifteen and a half bars of soft theme followed by a (*) sudden loud chord, while another of these works opens with a "short-short-short long" motif.** For 10 points, name this usually four-movement genre of music exemplified by Dvorak's [duh-VOHR-zhok's] *From the New World*, 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 a letterbox, and a character has a meeting with Madame Sofronie. One of this work's protagonists pays twenty-one dollars for a platinum (*) chain after losing a "cascade of brown waters" that fell past her knees.** Della cuts 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. **A less virulent version of this disease is alastrim. This disease is caused by the variola virus, and the major symptom of this illness is fluid-filled macules which then blister, forming scars.** Dr Edward (*) Jenner developed the first vaccine against this disease by studying a related illness in milkmaids, and it 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 deity fathered the three judges of the underworld, including Rhadamanthus and Minos, in addition to the three Graces. This god had a son with the mortal Alcmene, and his son Orion was accidentally killed by this god's daughter (*) Artemis.** This god fathered the hero son Heracles, gave birth to Dionysus from his thigh, and was the father of Ares with his wife, Hera. For 10 points, name this philandering Greek king of the gods.

Answer: Zeus Pater

10. **A vaporizing injector is used in one variety of this lab technique that employs an inert gas as the carrier. The retention factor can identify substances by this process, which makes use of stationary and mobile phases. Silica gel is used in the (*) thin-layer type of this process, while paper can be used to split black ink into different pigments in the column type of this.** For 10 points, name this chemistry technique that separates mixtures whose components have different solubilities.

Answer: chromatography

11. **This man authorized John Sullivan to attack the Iroquois. This man was defeated by Louis Coulon de Villiers, and was forced to surrender Fort Necessity, a move which prompted the (*) Braddock expedition. This general was criticised by Thomas Conway after failing to defend against the Philadelphia Campaign, and he surprised Hessian soldiers after crossing the Delaware River. For 10 points, name this first President of the United States.**

Answer: George Washington

12. **In this work, Hygd rejects Heardred's [HERD-red] claim to the throne, and after Aeschere [ASH-hayr-ay] is killed, Hrunting [h-RUN-ting] is loaned to this poem's title figure as he dives into the sea. (*) Wiglaf helps kill a dragon in this epic poem, whose title Geat ["gate"] kills an underwater creature who had invaded the mead-hall Heorot [HAY-oh-roht] to avenge her son's death. For 10 points, name this Old English epic poem about the slayer of Grendel.**

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. Great thinkers are honored in this city's Panthéon [pon-tay-OHN], and 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 [sehn river]. The Louvre [loov], 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. **The Aitken Basin lies near this body's south pole. One theory for the creation of this body involves a collision with the ancient planet Theia [THAY-ah]. This body's "ranging experiment" is an attempt to determine the (*) distance between the Earth and this object, which is about 238,000 miles. This body contains multiple plains known as marias, 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. **One of this author's protagonists is infuriated when Troukhatchevsky [troh-kah-CHEV-skee] plays a duet with his wife in this man's *Kreutzer Sonata* [KROY-tzer sonata]. This author created a character who is injured at the Battle of Borodino after marrying Natalie Rostova, and a judge who is injured while hanging curtains in "The Death of (*) Ivan Ilych." Count Vronsky's lover throws herself under a train in this man's novel *Anna Karenina*. For 10 points, name this Russian author of *War and Peace*.**

Answer: Lev (or Leo) Nikolayevich Tolstoy

16. **This actor was cast in *Cursed Part 3* while waiting tables at Bubba Gump's, and he 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. In another speech, this man claimed that North Korea was part of an “Axis of Evil.” 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 nation controls Mawson Peak, an active volcano on Heard Island near Antarctica. One feature off its coast stretches from Lady Elliot Island to the Torres Strait. 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. The calculation of one form of this quantity requires setting a reference level, and for a spring, this quantity equals one-half times a constant times displacement squared. Pole-vaulters take advantage of the pole’s ability to store the (*) elastic form of this quantity, and multiplying weight times height gives its gravitational type. Also stored within chemical bonds is, for 10 points, what quantity, that a roller coaster converts to kinetic energy at the bottom of a hill?

Answer: potential energy (prompt on “energy” alone)

20. If proper protocol is not followed after one of these events, Second Impact Syndrome may occur. 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. This artist's work is divided into Blue, Rose, and African periods. For 10 points each,

[10] Name this twentieth-century Spanish painter of angular, geometric works like *Les Femmes d'Alger* and *Guernica*.

Answer: Pablo Ruiz y **Picasso**

[10] Picasso pioneered this geometric art movement with Georges Braque. This movement focuses on combining multiple viewpoints of an object to create a single abstracted form.

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

[10] Created during the Rose Period, this work shows Picasso's earliest leanings toward cubism. In this work, the title youth sits in front of a wall painted with flowers, wearing a garland of flowers on his head.

Answer: **Boy With a Pipe** (accept **Garçon a la Pipe**)

2. The feminist essay "A Room of One's Own" discusses the unequal opportunities of two people with this surname. For 10 points each,

[10] Give this surname. One person with this surname in "A Room of One's Own" is the real-life author of *Romeo and Juliet*; the other is his fictional sister, who dies in obscurity.

Answer: William and Judith **Shakespeare**

[10] "A Room of One's Own" is by this author, who wrote about the Ramsay family's journey to the title building in her novel *To the Lighthouse*.

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

[10] In this other work by Virginia Woolf, Septimus Smith commits suicide and the title woman laments her marriage to Richard while preparing for a dinner party.

Answer: **Mrs Dalloway**

3. 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]

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

[10] Name this soft covering which contains the epidermis, dermis, and the basement membrane that separates them. Melanin darkens its coloring, and exposure to UV rays can give this organ sunburn.

Answer: **skin**

[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**

[10] Collagen's polypeptide sequence is a repeat of three amino acids, beginning with this smallest amino acid, which has a hydrogen as its side chain.

Answer: **glycine**

5. Gortyn is a major archaeological site for this civilization. For 10 points each,

[10] Name this civilization that wrote in Linear A and occupied the city of Knossos.

Answer: **Minoan** civilization

[10] The city of Knossos was located on this Greek island which was 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**

6. This character had 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**

7. 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**)

8. 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 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

9. 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 which 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**

10. 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**)

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

[10] Name this constant, symbolized c , that is the upper limit on the velocity of any object in the universe. Photons travel at this velocity.

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

[10] The photon is able to move at the speed of light because it has this property, indicating that it would have no rest energy.

Answer: **massless** (accept descriptions like “it has **no mass**”)

[10] This experiment disproved the “luminiferous aether” theory because, when this experiment’s two namesake scientists adjusted their interferometer, the speed of light did not change.

Answer: **Michelson-Morley** experiment (accept any answer with the names Albert **Michelson** and Edward **Morley**)

12. 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

13. 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)

14. 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 state, governed from Providence, which was home to the Narragansett Indians and the dissident 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**

15. 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 Egyptian god of knowledge and magic who invented writing and mediated disputes between the gods.

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

[10] Thoth weighed this body part of deceased Egyptians against the feather of Ma'at to determine whether they were worthy of entering the afterlife.

Answer: **heart**

[10] Thoth stood alongside Ra as he traveled 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.

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

16. For 10 points each, name the following mathematical measurements that take into account the "weight" of the values.

[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] 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)

[10] In probability, the long-term average outcome of an experiment is called this. For example, this quantity for "rolling a fair six-sided die once" is three point five.

Answer: **Expected Value** (accept **expectation**; accept first **moment**)

17. 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**

18. 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 arrangement that places elements with similar properties into columns by order of atomic number.

Answer: **periodic table** of elements

[10] This Russian scientist lends his name to element 101, and was notoriously snubbed by the Nobel Prize Committee even though he developed the periodic table.

Answer: Dmitri **Mendeleev**

[10] The first validation of Mendeleev's predictions was the 1875 discovery of this element, number 31. This metal is commonly used in semiconductors and has a melting point so low that it turns to liquid when held in the hand.

Answer: **gallium** (accept **Ga**)

19. 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. It 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 man. Von Rothbart turns Odette into the title bird in this man's *Swan Lake*, and he commemorated the Battle of Borodino in his *1812 Overture*.

Answer: Pyotr Ilyich **Tchaikovsky**

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

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

20. 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, whose Second Defenestration led to a war between Catholic and Protestant coalitions.

Answer: **Prague**

[10] The Second Defenestration of Prague caused this temporally-named conflict, which included the Battle of White Mountain. This war began in 1618 and ended with the Peace of Westphalia in 1648.

Answer: The **Thirty Years' War**

[10] During the Thirty Years' War, the king of this Vasa-ruled country was killed during the Battle of Lutzen. After the death of that man, Gustavus Adolphus, he was succeeded by his daughter Christina as ruler of this nation.

Answer: Kingdom of **Sweden**