

## 2011 SCOP Novice

### Round 9

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#### TOSSUPS

1. **This author's Jim O'Connor is a "gentleman caller" at the Wingfield's household in one of his plays. In addition to *The Glass Menagerie*, this author wrote a play in which Mae and Gooper want to cut Brick and Maggie out of Big Daddy's will, and another in which (\*)**

Stanley Kowalski's sister-in-law, Blanche DuBois, comes to New Orleans. For 10 points, identify this American playwright of *Cat on a Hot Tin Roof* and *A Streetcar Named Desire*.

Answer: Thomas Lanier "Tennessee" Williams

2. **One of this actor's roles sees him fill a wallet with food labels to evade arrest by Carl Hanratty. This actor, who will portray J. Edgar Hoover and Jay Gatsby, played con artist Frank William Abagnale [ah-bag-"nail"] in (\*) *Catch Me If You Can*. In 2008's *Revolutionary Road*, he reunited with former co-star Kate Winslet; in 2010, he played Dom Cobb, who places an idea in a victim's mind through his dreams. For 10 points, name this star of *Inception* and *Titanic*.**

Answer: Leonardo DiCaprio

3. **The Farnsworth Lantern Test was used on sailors to diagnose this condition. It is more commonly diagnosed with the Ishihara test, which shows numbers within fields of dots. It is caused by a lack of cone cells in the (\*) retina, and is caused by genes on the X chromosome, making it more common in men. For 10 points, name this condition that comes in a red-green type, and causes sufferers to confuse pigments.**

Answer: color blindness (accept word forms; do not prompt on "blindness")

4. **This ruler left Mardonius in charge of an army in Greece that would be defeated at Plataea. This ruler's navy took part in the Battle of Artemisium while his army defeated Greek forces led by King Leonidas. He sat on a throne atop a cliff while watching his navy lose at (\*) Salamis [sal-ah-miss]. The son of Darius the Great, for 10 points, name this Persian emperor who won the Battle of Thermopylae [ther-mop-uh-lye] but lost the Greco-Persian Wars.**

Answer: Xerxes the Great (accept Xerxes I)

5. This artist painted multiple plein-air [plehn-“air”] views of the English Parliament and Rouen [roo-AHN] Cathedral. He showed a series of haystacks at different times of day near his home in Giverny [jee-vehr-NEE]. Cataracts late in life gave a red tint to his many paintings of (\*) water lilies. This artist’s depiction of a harbor in the early morning lent its name to the Impressionist movement. For ten points, name this French artist of *Impression, Sunrise*.

Answer: Claude Monet

6. In the Chinese epic *Journey to the West*, Xuanzang [shi-AHN tsang] is nearly eaten by female monsters in the form of this creature in Gossamer Cave. A man in this form taught the Navajo how to build looms, and his wife taught them to (\*) weave. A woman who competed against Athena was turned into this creature, and was named Arachne. In African folklore, the trickster Anansi is one of these animals. For 10 points, name this eight-legged creature.

Answer: spiders

7. Section 3 of this Constitutional article was reviewed in 1945’s *Cramer v. United States*, reaffirming that the prosecution must provide two witnesses for a treason complaint. This article’s “case or controversy” clause prevents unripe or moot cases from being heard, and, like the (\*) Sixth Amendment, this article sets requirements for jury trials. For 10 points, name this Constitutional article that establishes the Supreme Court, part of the U.S. judiciary system.

Answer: Article III of the United States Constitution

8. This planet’s “Weird Terrain” is hypothesized to have formed due to shock waves that rippled through it following the impact that created its Caloris basin. Like Earth, it has a molten core that creates a weak magnetic field. Now that Pluto is not a (\*) planet, this planet has the most eccentric orbit, and other than Venus, it is the only planet without a natural satellite. For 10 points, name this nearest planet to the Sun.

Answer: Mercury

9. The Doberai Peninsula is in this nation’s easternmost province, and the city of Pontianak is in its province of West Kalimantan lies on an island shared by two other countries. The Lombok and Sunda Straits are major shipping lanes in the south of this country, and (\*) Bali is a major resort island here. Including the islands of Sumatra and Java, for 10 points, name this primarily Muslim archipelagic nation with capital Jakarta.

Answer: Indonesia

10. This work’s protagonist stays with Mrs. Lithebe [lith-ay-bay] and Msimangu [m-see-mahn-goo] and discovers that his sister, Gertrude, has become a prostitute. John’s son is implicated in a murder in this work, but the blame falls on the protagonist’s son, Absalom. Despite his sadness, (\*) Arthur Jarvis’s father offers to help the town of Ndotsheni [nn-dot-shay-nee] and this work’s protagonist, Stephen Kumalo. For 10 points, name this novel about pre-Apartheid [ah-PART-ide] South Africa, a work by Alan Paton.

Answer: Cry, the Beloved Country

HALF TIME

11. In one story by these authors, an aged donkey recruits a dog, a cat, and a rooster to sing with him and scare away some burglars. In another, two children mark their path home with bread crumbs. These men wrote about a girl who lives with (\*) seven dwarfs, and another whose foot fits a gold slipper. For 10 points, name these German brothers, the authors of “The Bremen Town Musicians,” “Hansel and Gretel,” “Snow White,” and “Cinderella.”

Answer: The Brothers Grimm (accept Jacob and/or Wilhelm Grimm or the Grimm Brothers)

12. As a child, this author urinated in a neighbor's cooking pot. He advocated introducing religion to children at the age of fifteen and supported breastfeeding in another work. This author of the mostly-secular autobiography *Confessions* and the educational treatise (\*) *Émile* [AY-meel] inspired the French Revolution by noting that "man is born free, but everywhere is in chains." For 10 points, name this author of *The Social Contract*.

Answer: Jean Jacques Rousseau

13. This man negotiated the shaky Three Emperors' League, authorized Adelbert Falk's May Laws, and critiqued the 1849 Frankfurt Parliament in his “Blood and Iron” speech. This politician led the “Kulturkampf” against the Catholic Church and edited the (\*) Ems Dispatch in order to provoke a war with France. He guided Prussia and eventually the German Empire before his dismissal by Kaiser Wilhelm II. For 10 points, name this Iron Chancellor of Germany.

Answer: Otto von Bismarck

14. In this novel, a dead parachutist is thought to be a large, deformed ape by Samneric, and Simon has a silent chat with the title figure, a pig's head on a stick. A conch shell symbolizes authority, while a pair of glasses is used to make signal fires. Roger uses a boulder to kill (\*) Piggy in this work, and near the end Ralph is hunted by Jack. For 10 points, name this novel about some boys stranded on an island, by William Golding.

Answer: Lord of the Flies

15. One example of this type of reaction is the addition of chromium trioxide in acidic solution to an aldehyde; that is the Jones variety. Addition of nitric acid to silver metal causes silver to undergo this process, while nitric oxide is released. In combustion reactions, (\*) alkanes undergo this process and are converted into carbon dioxide. For 10 points, name this process involving a loss of electrons, often compared to reduction when considering redox reactions.

Answer: oxidation

16. As Governor of Virginia, this man was to be kidnapped by Gabriel Prosser's slave revolt. He took a hands-off approach to both the Missouri Compromise and the Panic of 1819, and his cordial approach to bipartisanship led to the (\*) “Era of Good Feelings,” in which he ran unopposed for re-election. For 10 points, name this U.S. President who stated that European intervention in the Western Hemisphere would be considered aggression against the U.S. in his namesake Doctrine.

Answer: James Monroe

17. This function's Taylor series begins  $x$  plus one-third  $x$  cubed plus two-fifteenths  $x$  to the fifth, and its derivative is secant squared. Its Pythagorean identity says that it squared plus one equals the secant squared. Like its reciprocal, this function has period  $(*) \pi$  and equals 1 for an input of 45 degrees. For 10 points, name this trig function equal to sine over cosine, or in a right triangle, the opposite side over the adjacent side.

Answer: tangent function (accept answers like tan(gent) of  $x$  or tan(gent) of theta)

18. This religion's Kitab-i-Iqan [kee tahb-ee-ee kahn] relates this religion's teachings to both Islam and Christianity, and is better known as the Book of Certitude. Shoghi Effendi [sho-gee eff-EN-dee] was Guardian of this religion in the twentieth century. This religion believes in the  $(*)$  unity of all faiths, and its Manifestations of God include Zoroaster, Krishna, Christ, Mohammad, and the Bab [bahb]. For 10 points, identify this religion founded in Persia by Baha'u'llah [ba HAH-oo-lah].

Answer: Baha'i Faith (accept Bahaiism)

19. One of this composer's operas sees the Marquis of Calatrava killed by a fluke bullet from his daughter's suitor, Don Alvaro. The best known aria of this composer of *La forza del destino* is sung by the Duke of Mantua and claims that "women are fickle." Another of his operas sees  $(*)$  Radames [rah-dah-meez] love the title Ethiopian princess. For 10 points, name this Italian composer of many adaptations of Shakespeare, as well as *Rigoletto* and *Aida*.

Answer: Giuseppe Verdi

20. Noether's theorem relates this quantity to rotational symmetry. The no-hair theorem states that black holes can be characterized entirely by their mass, their charge, and their value of this quantity, which leads to  $(*)$  Kepler's second law because it is conserved if there is no net external torque. For 10 points, name this vector quantity equal to the cross product of position and an object's mass times its velocity.

Answer: angular momentum (accept rotational momentum or moment of momentum; do not accept or prompt on "momentum")

## BONUSES

1. Answer some questions about an author and his works, for 10 points each.

[10] Jim sells his watch to buy decorative combs, and Della sells her hair to buy a watch fob in this Christmas story.

Answer: The **Gift of the Magi**

[10] "The Gift of the Magi" is by this American author, whose short stories are collected in *The Four Million* and *Whirligigs*.

Answer: **O. Henry** (accept William Sydney **Porter**)

[10] *Whirligigs* includes this O. Henry short story, in which Bill and Sam attempt to ransom a young boy, but end up paying the child's father, Ebenezer Dorset, to take him back.

Answer: The **Ransom of Red Chief**

2. This field's name was defined by Auguste Comte [KAHMT]. For 10 points each:

[10] Name this field, the study of society. Major figures in this study have included C. Wright Mills and Emile Durkheim.

Answer: **sociology** (accept word forms)

[10] This German sociologist defined the state as having "a monopoly on the legitimate use of violence." He wrote *The Protestant Ethic and the Spirit of Capitalism*.

Answer: Max **Weber** (pronounced VAY-ber, but be lenient)

[10] Weber contributed to the study of these entities. These are organizations with a hierarchical structure, complexity, and division of labor, and are commonly associated with "red tape."

Answer: **bureaucracy** (accept word forms)

3. This physicist was instrumental to the creation of the atomic bomb, and a laboratory in Batavia, Illinois is named for him. For 10 points each:

[10] Name this Italian physicist, who earned his Nobel Prize for induced radioactivity.

Answer: Enrico **Fermi**

[10] Fermi, along with J. Robert Oppenheimer, worked on this project that created the first atomic bomb.

Answer: **Manhattan** Project

[10] Fermi developed the first nuclear reactor on the grounds of this institution, under the bleachers of Alonzo Stagg Field in Hyde Park.

Answer: University of **Chicago** (accept **UChicago**)

4. Bill James ranked this man as the best second baseman of all time, causing this man to gripe about the statistical reasoning used to glorify him. For 10 points each,  
[10] Name this integral part of the Big Red Machine that led Cincinnati to two World Series titles in the 1970s. He served as ESPN's Sunday Night Baseball commentator with Jon Miller to less acclaim.

Answer: Joe **Morgan**

[10] Morgan famously does not approve of this Michael Lewis book, now a 2011 film, which studies Billy Beane's use of undervalued statistics to compete with higher-payroll teams like the Yankees.

Answer: **Moneyball**: *The Art of Winning an Unfair Game*

[10] In the *Moneyball* film, Billy Beane is portrayed by this actor, who played Rusty in the *Ocean's 11* trilogy and has had three children with Angelina Jolie.

Answer: Brad **Pitt**

5. The title dairy maid names her child Sorrow. For 10 points each,  
[10] Name this novel in which John Durbeyfield sends his daughter to work for a wealthy family. She later murders her seducer, Alec and flees with Angel Clare.

Answer: **Tess of the d'Urbervilles**

[10] *Tess of the d'Urbervilles* is by this English author of *Jude the Obscure* and *Far from the Madding Crowd*.

Answer: Thomas **Hardy**

[10] This Hardy novel sees Michael Henchard sell his wife and daughter while drunk. After 18 years, he is reunited with his daughter, Elizabeth-Jane, who eventually marries Donald Farfrae.

Answer: The **Mayor of Casterbridge**

6. For 10 points each, give the following about rebellions.

[10] During George Washington's presidency, western Pennsylvania saw a rebellion named for and caused by an excise tax on this alcoholic beverage.

Answer: **whiskey** (accept **Whiskey** Rebellion, Insurrection, etc.)

[10] This 1780s Massachusetts rebellion was caused by growing financial difficulties. It included an attack on the Springfield Armory.

Answer: **Shays'** Rebellion

[10] Shays' Rebellion showed weaknesses in the central government authorized by this document, the predecessor of the Constitution.

Answer: **Articles of Confederation** and Perpetual Union

7. James Garfield is credited with a proof of this statement using trapezoids. For 10 points each,  
[10] Name this theorem stating that if  $a$  and  $b$  are the lengths of a right triangle's legs and  $c$  is the length of its hypotenuse,  $a$  squared plus  $b$  squared equals  $c$  squared.

Answer: Pythagorean theorem (accept Pythagoras's theorem)

[10] If a right triangle has two 45-degree angles, the hypotenuse is equal to the length of a leg times this value.

Answer: square root of 2 (accept radical 2 or 2 to the one-half power)

[10] If a triangle is not a right triangle, then the Pythagorean theorem does not hold; however, this law can calculate the length of a side given the length of the two other sides and the measure of the angle between them.

Answer: law of cosines

8. News of this event causes Jewish men to tear their clothing. For 10 points each,

[10] Name this event, after which taharah prepares the body for burial.

Answer: death or dying (accept stone dead; accept deceased; accept bleedin' demised; accept passed on; accept no more; accept ceased to be; accept expired; accept gone to meet 'is maker; accept stiff; accept bereft of life; accept rests in peace; accept pushing up the daisies; accept metabolic processes are now 'istory; accept off the twig; accept kicked the bucket; accept shuffled off 'is mortal coil; accept run down the curtain and joined the bleedin' choir invisible; accept ex-person)

[10] This psalm, written by David, is often recited at Jewish funerals. It begins "The Lord is my shepherd; I shall not want."

Answer: Psalm twenty-three (accept twenty-third psalm)

[10] This term is used for the initial seven-day period of mourning, during which mourners do not shave and sit in low chairs.

Answer: (sitting) shiva

9. This event follows the plot of Monteverdi's *La belle Hélène* [ay-lenn] and precedes the plot of Mozart's *Idomeneo* [id-oh-men-ay-oh]. For 10 points each,

[10] Name this mythological war, whose combatants included Aeneas [uh-nee-us], Hector, and Achilles.

Answer: Trojan War

[10] Henry Purcell wrote an opera about this woman's love affair with Aeneas as he passed through her city of Carthage. She sings the aria "When I am laid in earth."

Answer: Dido

[10] This composer's opera *Les Troyens* [lay troy-un] is based on the Trojan War. This Frenchman's other works include *Harold in Italy* and *Symphonie Fantastique*.

Answer: Hector Berlioz ["bear"-lee-oze]

10. Its concentration is measured in Dobson units. For 10 points each:

[10] Name this molecule with formula O<sub>3</sub>, that, in its namesake layer of the stratosphere, shields Earth from UV radiation.

Answer: ozone

[10] Carbon has this property because diamond, graphite, and fullerenes are all made of the same element but bonded in different structural arrangements. Oxygen also has this property, demonstrated by ozone and O<sub>2</sub>.

Answer: allotropy (accept other word forms)

[10] The conversion of ozone back into O<sub>2</sub> is catalyzed by one of these kinds of molecules. They are characterized by a single, unpaired electron, and include superoxide.

Answer free radicals

11. Its last two kings of France were Louis XVIII and Charles X. For 10 points each:

[10] Name this ruling house of France that included Louis XIV and Louis XVI.

Answer: House of Bourbon(s) (prompt on Capetians since Bourbon is a branch of them)

[10] This first Bourbon king of France was a Huguenot, but he converted to Catholicism in order to be king. Referring to his conversion, he supposedly said, "Paris is well worth a mass."

Answer: Henry IV of France (accept Henry III of Navarre; do not accept Henry IV of Navarre or Henry III of France)

[10] Louis XIV's reign saw this palace become the seat of political power in France. It contains a famous hall of mirrors, and was used for the diplomatic meetings ending World War I.

Answer: Palace of Versailles [vair-"SIGH"] (accept Château de Versailles)

12. The intolerance of this compound affects humans as they mature into adulthood. For 10 points each,

[10] Identify this sugar, commonly called milk sugar.

Answer: lactose

[10] Lactose is this type of sugar since it is composed of galactose and glucose.

Answer: disaccharide (also accept biose)

[10] A disaccharide can be formed by the combination of two monosaccharides in this polymer-building process. A water molecule forms during this process when a new glycosidic bond is made.

Answer: dehydration synthesis (also accept condensation)

13. Ashoke names his son after the author of a book that saved his life. For 10 points each,

[10] Name this novel by Jhumpa Lahiri, in which Nikhil marries and divorces Moushumi and eventually comes to terms with both his name and his Bengali heritage.

Answer: The Namesake

[10] Nikhil Ganguli is named after this Russian author of "The Overcoat" and *Dead Souls*.

Answer: Nikolai Gogol

[10] One work by Gogol is named for this facial feature, the the distinguishing feature of Rushdie's Saleem Sinai and the fatal abnormality of Cyrano de Bergerac.

Answer: The Nose



14. This man's "I have a dream" speech was delivered during the March on Washington for Jobs and Freedom. For 10 points each,

[10] This civil rights leader won the 1964 Nobel Peace Prize.

Answer: Martin Luther **King**, Jr. (accept **MLK**, Jr.)

[10] King wrote a letter from the jail of this Alabama city where he had planned a non-violent protest.

Answer: **Birmingham**, Alabama

[10] King helped found--and served as the first president of--this organization that was a major organizer of the March on Washington. Its first staff member was Ella Baker.

Answer: **SCLC** (accept **Southern Christian Leadership Conference**)

15. Answer some questions about the mythological inventor Daedalus, for 10 points each.

[10] Daedalus invented this complex maze for the Cretan King Minos. Young men and women would be placed in this structure as food for the monster that was trapped here.

Answer: **Labyrinth**

[10] The labyrinth housed this creature, the son of Queen Pasiphae and a white bull given to Minos by Zeus.

Answer: **Minotaur**

[10] This son of Daedalus tried to escape a tower with the inventor. This man died when he flew too close to the sun and the wax on his wings melted.

Answer: **Icarus**

16. For 10 points each, give the following about earthquakes that have devastated Japan.

[10] The March 2011 earthquake and tsunami affected the Daiichi ["die"-ee-chee] and Daini ["die"-nee] nuclear power plants in this Japanese prefecture.

Answer: **Fukushima** Prefecture

[10] A 1923 earthquake killed over one hundred thousand people, but legendarily did not destroy the Tokyo Imperial Hotel built by this American architect of Fallingwater.

Answer: Frank Lloyd **Wright**

[10] Both the 2011 and 1923 earthquakes were centered near this largest Japanese island.

Answer: **Honshu**

17. Depictions of these people include a statue called a "Little" one "of Fourteen Years." For 10 points each,

[10] Martha Graham, Fred Astaire, and ballerinas all belong to this occupation.

Answer: **dancer**

[10] *Little Dancer of Fourteen Years* is one of many depictions of dancers by this French Impressionist, whose other works include *The Dance Class*.

Answer: Edgar **Degas**

[10] This stunted Frenchman painted bawdy can-can dancers in the Moulin Rouge [MOO-lahn ROOJ], such as *La Goulue* [la goh-LOO] and *Avril* [ah-VREEL].

Answer: Henri de **Toulouse-Lautrec** (prompt on partial last name)

18. Surrounded by Panthalassa, the existence of this supercontinent is supported by the distribution of fossils like Lystrosaurus. For 10 points each.

[10] Name this landmass that existed before the seven continents began to split.

Answer: **Pangaea**

[10] When Pangaea broke apart in the Mesozoic Era, Laurasia and this other supercontinent to the south were formed.

Answer: **Gondwanaland**

[10] The breaking apart of Pangaea can be explained by this theory. Developed by Alfred Wegener in 1912, it gained traction in academic circles after the development of plate tectonic theory.

Answer: **continental drift**

19. This premier argued for detente [day-tahnt], a relaxation of the nuclear arms race of the Cold War. For 10 points each,

[10] Name this Soviet leader, who quashed the Prague Spring and whose namesake doctrine regards the expansion of capitalism as a threat to socialism.

Answer: Leonid Ilych **Brezhnev**

[10] In addition to Czechoslovakia, Brezhnev invaded this central Asian nation, whose Mujahedeen forces successfully resisted annexation. Its capital is Kabul.

Answer: **Afghanistan**

[10] The last Soviet troops were pulled out of Afghanistan in 1989 during the term of this final Soviet Leader. He was told to “tear down” the Berlin Wall by President Reagan.

Answer: Mikhail Sergeyevich **Gorbachev**

20. For 10 points each, name some things about European authors.

[10] *Rhinoceros* and *The Bald Soprano* are works by this Romanian playwright.

Answer: Eugene **Ionesco**

[10] Ionesco wrote in this native language of Emile Zola, Jules Verne, and Colette, which was also commonly used by Samuel Beckett.

Answer: **French**

[10] Another French writer is this poet, who asks Satan to “take pity on [his] long misery” in *Les Fleurs du Mal* [lay floor doo mal].

Answer: Charles **Baudelaire**