

# Scobol Solo 2015

## Packet 1 (Round 1)



1. Former SDS leader Tom Hayden tried to become the mayor of this city in 1997, but lost to incumbent Richard Riordan [ree-OR-dun]. After the death of José Gallardo Díaz [hoh-ZAY “guy”-YAR-doh DEE-ahz], which was nicknamed the Sleepy Lagoon murder, this city experienced fighting in 1944 between whites and Mexicans that was called the Zoot Suit Riots. Incidents involving police attacking black people in this city led to the 1965 Watts riots and 1992 Rodney King riots. Several locations in this city are named for civil engineer William Mulholland. Name this second-most-populous U.S. city, where Cecil DeMille is credited for bringing the film industry to its neighborhood Hollywood.

Answer: Los Angeles, California [accept LA]

2. This person’s namesake constant divided by temperature gives magnetic susceptibility. The law named for this person states that magnetization varies inversely with temperature and varies directly with magnetic field strength. This person is also the namesake of a unit of radiation equal to  $3.7 \times 10^{10}$  Bq [“three point seven times ten to the tenth becquerels”]. At the temperature named for this person, a ferro-magnetic substance becomes para-magnetic. This person’s daughter and son-in-law discovered induced radioactivity, and he worked with his wife to discover radium and polonium. Name this husband of Marie, who won two Nobel Prizes.

Answer: Pierre Curie [accept Marie Curie since some of the concepts were named for both of them]

3. People being initiated into this religion must wear a short-sleeved shirt to remind them that life is short. The shirt also contains a *gireban* [GEER-ih-bahn], which is a small pocket to remind the wearer that their good deeds are small compared to God. They also wear a *kushti* [KOOSH-tee] made of 72 threads to symbolize that there are 72 chapters in the Yasna. This religion’s core values are good thoughts, good words, and good deeds, and its adherents wear a cord with three knots to remind them of those values. Its founder spoke Avestan, and its highest spirit is Ahura Mazda. This is one of the earliest monotheistic religions. Name this ancient religion that was practiced in Persia.

Answer: Zoroastrianism

4. One story by this writer is about an attempt to meet the new king of Slovaria in London. That story about “The King of Boy Comedians”, Terry Tait, is “Let’s Play King”. This person wrote about Doremus Jessup’s criticisms of President Berzelius “Buzz” Windrip in *It Can’t Happen Here*. In another novel by this author, Raymond Wutherspoon fights in World War I after marrying high school teacher Vida [VEE-dah] Sherwin. That novel features an affair between Maud Dyer and Dr. Will Kennicott in Gopher Prairie. This author also wrote a novel set in Zenith about the realtor George Babbitt. Name this author from Minnesota who wrote *Main Street*.

Answer: Sinclair Lewis

5. Édouard Drumont [ayd-war droo-mawn] used the popularity he gained from the Panama scandals to hype this event through his paper *La Libre Parole* [lee-bruh pah-“roll”]. Senator Auguste Scheurer-Kestner [oh-goost SHOY-ur KEST-nur] published a letter given to him by an officer’s mistress, the Uhlan letter, which should have prevented this event. An open letter to Félix Faure [feh-“leeks” FOR] attempting to correct the mistakes made during this event was printed on the front page of the paper *L’Aurore* [lor-or], claiming that Major Esterhazy should have been tried. That letter, *J’Accuse* [zhah-kooss], was written by Émile Zola [AY-meel ZOH-lah]. Name this late-19th-century event in France that was blamed by many people on anti-Semitism.

Answer: Dreyfus [DRY-fooss] Affair [accept similar answers that include Dreyfus]

### Check the score.

6. The industry that creates this material in France was devastated by a pébrine [pay-green] plague that killed many animals during the 1850s. This natural material is held together by sericin [SAIR-uh-sin], which is removed in the process of degumming. The majority of this material is made of a scleroprotein [SKLAIR-oh-“protein”] consisting mostly of glycine [GLY-seen], called fib-ro-in. This substance is created by the *Bombyx mori* [BAHM-biks MOR-ee] species, which eats mulberry leaves and uses this material in its cocoons. Identify this substance, commonly used in fancy clothing, that was the namesake of a trade route between the Mediterranean Sea and China.

Answer: silk [prompt on cloth or textiles or clothes or clothing]

7. The beginning of this state’s park system is credited to Richard Lieber [LEE-bur], who lived in McCormick’s Creek State Park and opened Brown County State Park. Though it is not Pennsylvania or Utah, one of its towns was founded by Robert Owen and the Harmony Society, and is now called New Harmony. One of this state’s cities started out as a fort named for “Mad” Anthony Wayne. Its capital is the headquarters of the National Collegiate Athletic Association and hosts a major automobile race every Memorial Day weekend. Name this home of Purdue and Notre Dame Universities, whose towns include Muncie, Hammond, Gary, and South Bend.

Answer: Indiana

8. This person wrote “at such times death isn’t far from me” in the poem “He Is More Than A Hero”. This person wrote “a girl whose hair is yellower than torchlight should wear no headdress but fresh flowers” in the poem “Cleïs” [KLEE-iss]. The type of stanza named for this poet starts with two lines with eleven syllables each, followed by a line or two with a total of sixteen syllables, though that form may have been developed by Alcaeus [aal-KAY-uss]. This writer’s only completely preserved poem is “Hymn to Aphrodite”. This poet lived on the Greek island of Lesbos. Name this ancient poet who, according to some historians, was a lesbian.

Answer: Sappho

9. One opera by this composer has no intermission between its second and third acts, using the wordless “Humming Chorus” to bridge them. One aria written by this composer translates as “And the stars were shining” and is titled “E lucevan le stelle [ay loo-CHAY-vahn lay STAYL-lay].” That aria is sung by the painter Mario Cavaradossi [kah-vah-rah-“DOSE”-see], who is in love with that opera’s title character. In another opera by this composer, a character sings *Si, mi chiamano Mimi* when she is asked to explain her life by Rodolfo. That opera involves a case of tuberculosis in the Latin Quarter of Paris. Name this Italian composer of *Tosca*, *La bohème* [boh-EM], and *Madame Butterfly*.

Answer: Giacomo Puccini [JAH-koh-moh poot-CHEE-nee] [or Giacomo Antonio Domenico Michele Secondo Maria Puccini]

10. This function is used to express Fourier [fur-yay] transforms of *even* functions. In three dimensions, this function on the zenith angle equals the *z*-coordinate divided by distance from the origin. Using principle values, the range of the *inverse* of this function is the closed interval from zero to pi, and the derivative of this function’s inverse is negative one over the square root of the quantity one minus *x* squared. The law named for this function generalizes the Pythagorean theorem to triangles that aren’t necessarily right. It corresponds to the *x*-coordinate on the unit circle. Name this trigonometric function, equal—in a right triangle—to the ratio of the lengths of the *adjacent* leg and the hypotenuse.

Answer: cosine (of *x*) [do not accept “sine”]

### Check the score.

11. A coup against this leader temporarily placed his son Asfaw Wossen in charge. This leader was the target of revolts by the Raya and A-ze-bo Oromo people after he was blamed for the death of Lij Iyasu [ee-YAH-soo] in captivity. This leader was overthrown due to a combination of inflation and the Wollo [WAW-loh] Famine, which was used by a Soviet-backed committee called the Derg to come to power. His father was an adviser to Menilek II [2]. While in exile, this person spoke at the League of Nations against an invasion of his country by Italy. Even though he was in Africa, this leader was worshiped by many people in Jamaica. Name this emperor of Ethiopia.

Answer: Haile Selassie I [“highly” seh-LAH-see “the first”] [accept Tafari Makonnen Woldemikael; prompt on Selassie]

12. In one novel by this author, the father says, “But it won’t be fine”, taking the joy out of James to the point where James would have killed him if a weapon had been handy. This author had six characters describe meeting Percival, who dies in India, in the novel *The Waves*. In another novel by this author, one of the characters has trouble dealing with the loss of his friend Evans during World War I. Sir William Bradshaw sends that man, Septimus Warren Smith, to a mental institution. Macalister’s son rows James and Cam Ramsay and their father at the end of one of her novels. Name this author who wrote the stream-of-consciousness novels *Mrs. Dalloway* and *To the Lighthouse*.

Answer: Virginia Woolf

13. This composer called for a piano attachment called a luthéal [loo-tay-ahl] in *Tzigane* [tsee-gan], a piece whose name means “gypsy”. After the husband of Marguerite Long died, this composer dedicated part of his *Le Tombeau de Couperin* [lay tawm-boh day koo-pair-an] to him and then dedicated his second and final piano concerto to her. This composer’s first piano concerto was written for Paul Wittgenstein [VIT-gun-shtyne], who lost his right arm in World War I. One of this composer’s pieces has a constantly building volume and a two-measure snare drum melody that repeats throughout. Name this French composer who wrote *Gaspard de la nuit* [gahss-par day lah nwee], *Daphnis et Chloé* [daf-nees et kloh-ay], and *Boléro*.

Answer: (Joseph-)Maurice Ravel

14. This quantity can be represented as a saddle point on a potential energy surface. This quantity divided by the ideal gas constant is the slope of a graph of the natural log of the rate constant versus one over temperature. The rate constant equals the pre-exponential factor times  $e$  to the power of this quantity over  $R T$ , according to the Arrhenius [uh-RAY-nee-us] equation. This quantity is represented by the difference in height between the reactants and the transition state. Some catalysts increase reaction rates by lowering this quantity. Name this quantity, the energy required for a chemical reaction to occur.

Answer: activation energy

15. This country’s prime minister, who was criticized in 2015 for writing in a German newspaper that it is important to keep Europe Christian, is Viktor Orbán. Orbán heads Fidesz [FEE-dess], this country’s leading political party. Osama Abdul Mohsen went to Spain after he was filmed being tripped by Petra Laszlo [LAHSS-loh], a camerawoman from this country. The leader of Croatia has said that he will force this country to accept migrants, and this country has responded by sealing its border and sending many of those migrants to Austria. Name this country that many Syrian refugees to Europe are passing through, and whose capital is Budapest.

Answer: (Republic of) Hungary [or Magyarország or Magyar Köstársaság]

**Check the score.**

16. At these islands during World War I, Maximilian von Spee [vawn SHPAY] was killed by the British. These islands were raided by the USS *Lexington* during a dispute with Luis Vernet [loo-ee vair-nay], leading Britain to reassert its control over them in 1833. A war over these islands almost occurred in 1770 when Juan Ignacio de Ma-dar-i-a-ga took control of Port Egmont from the British. These islands were the site of the Battles of San Carlos and Goose Green during a war in which Prince Andrew participated. The outcome of that fighting weakened a military junta [HOON-tuh] that was fighting a Dirty War during the 1980s. Name these islands, fought for during Margaret Thatcher's first term, that are under dispute between the UK and Argentina.

Answer: Falklands Islands [or Islas Malvinas]

17. One painting by this artist is in the Church of Santo Tome [TOH-may] and depicts this artist's son in the foreground, pointing at the title figure. Another painting by this artist shows John the Baptist in a robe on the left side while a white robe is handed out on the right side and some naked people reach for large yellow and green robes. That painting, based on the Book of Revelation, is *The Opening of the Fifth Seal*. Both of his landscapes show the town in Spain where he spent his career. Name this painter who depicted St. Stephen and St. Augustine performing the title action in *The Burial of the Count of Orgaz*, and who also painted *View of Toledo* [toh-LAY-doh].

Answer: El Greco [or Domenikos Theotokopoulos]

18. In some animals, the enzyme GULO produces the precursor to this compound. Originally known as *L*-hexuronic acid ["L-hex"-yur-AH-nik "acid"], this compound is produced commercially via the Reichstein process. Via the hydroxy-lation ["high"-DRAHK-sih-LAY-shun] of proline [PROH-leen] and lysine [LY-seen], this molecule produces collagen [KOL-uh-jin]. This compound's formula is C<sub>6</sub> H<sub>8</sub> O<sub>6</sub> ["C six, H eight, O six"]. Like B-complex vitamins, it is water soluble. This vitamin is also called ascorbic acid, and lack of it causes a disease involving yellowed skin and gum decay, scurvy. Name this vitamin found in citrus fruits.

Answer: vitamin C [accept ascorbic acid or ascorbate before "ascorbic"]

19. In this novel, a woman is praised for asking the title character whether he had a beard, long hair, and dust in his hair the day before. That woman in this novel then tells the man that to satisfy her he must have pretty clothes, pretty shoes, lots of money, and gifts. Another character in this novel is praised for listening to the title character's life story and replies that he learned how to listen from the river. The woman in this novel says "He is your son" to the title character before succumbing to a snakebite. In this novel, Ka-ma-la and Va-su-dev-a the ferryman instruct the title character. Name this novel set in ancient India by Hermann Hesse.

Answer: Siddhartha

20. A book titled for this school of thought states “Nature has placed mankind under the governance of two sovereign masters, pain and pleasure.” This school is compared favorably to Egoism and Intuitionism in *The Methods of Ethics* by Henry Sidgwick. That book equates this philosophy with universalistic hedonism, which is contrasted with egoistic hedonism. One writer on this school worked out a felicific [feh-lih-SIF-ik] calculus. Early formulations of this philosophical school were tied to Eudaimonism [yoo-DIE-muh-nis-um], which is a belief that happiness is the highest good. Name this school of philosophy developed by John Stuart Mill and Jeremy Bentham, who based it on the idea of “greatest happiness of the greatest number”.

Answer: utilitarianism or utilitarianist school

***This is the end of regulation. Check the score. If it is tied, proceed to overtime tossups. If it is not tied, the game is over.***

- <sup>TB</sup>21. A painting by Briton Rivière of this man shows him lying down after his triumph. The Raphael picture of this man shows his broken red and white lance on the ground. Another depiction of this man, showing him with a spear as his wife holds a leash, is by Paolo Uccello [oo-CHEL-loh]. A work by Tintoretto shows this man charging next to a dead body while a princess flees at the bottom of the painting. This rescuer of Princess Sabra was used on recruitment posters in England during World War I, and his cross is red on a white background. Name this hero who rode his horse into battle against a dragon.

Answer: St. George

***If the score is still tied, continue. If it is not tied, the game is over.***

- <sup>TB</sup>22. Lewis Cass resigned from this position because he believed President Buchanan should have done more to prevent secession, and Buchanan had earlier held this position in the Polk Administration. Alexander Haig [rhymes with “vague”] held this position when he said “I am in control here” following the attempted assassination of Ronald Reagan. George Marshall held this position when he oversaw the European Recovery Program. During George Washington’s presidency, this position was held by Thomas Jefferson. During the Obama Administration, it has been held by Hillary Clinton and John Kerry. Name this cabinet position that focuses on foreign affairs.

Answer: United States Secretary of State

***If the score is still tied, continue. If it is not tied, the game is over.***

- <sup>TB</sup>23. This state’s governor is Nathan Deal. This state’s senators are David Perdue and Johnny Isakson. This state is east of Alabama. Name this state whose cities include Macon, Savannah, and Atlanta.

Answer: Georgia

***There are no more overtime questions available. If the score is still tied, contact the control room for further instructions. If it is not tied, the game is over.***