

# Scobol Solo 2016

## Packet 6 (Round 6)



1. A character in this novel reads *Paradise Lost* thinking that it is a work of history. A letter in this novel was written from Archangel [“ARK-angel”] and states that the writer has a vessel and is hiring sailors, but he has no friend. In this novel, a character’s mother dies from scarlet fever shortly before he goes to study at Ingolstadt [EEN-gohl-shtaht], and just before he leaves the university, he learns that his brother William was strangled in the woods. This novel is about a man who studies the secret of life, and it is subtitled *The Modern Prometheus*. Name this Mary Shelley novel about a man who creates a monster.

Answer: *Frankenstein*; or, *The Modern Prometheus*

2. Peltier [“pelt-yay”] coefficients are used to calculate the rate of increase of this quantity at an electrified junction. In the Seebeck effect, this quantity is converted into electrical energy. The change in entropy of a system equals the integral of the reciprocal of temperature with respect to this quantity. The calorie was originally developed to measure this type of energy. Conduction, convection, and radiation are methods to transfer this quantity. Name this quantity that, according to the second law of thermo-dynamics, moves from warmer to cooler bodies unless work is done.

Answer: heat energy [accept thermal energy or thermodynamic energy before “thermodynamics”; prompt on energy before “energy”]

3. A law of this type passed in 1883 was nicknamed “Mongrel” and led to the *Nix v. Hedden* Supreme Court decision declaring that tomatoes are vegetables. The first U.S. federal income tax was imposed as part of the Wilson-Gorman Act, which was this type of law that undid a similar law named for then-future President McKinley. Some economists blamed the Great Depression on a law of this type named Smoot-Hawley. The Nullification Crisis in the 1830s was strengthened by the act of this type considered an “abomination” by many Southerners. Protectionists often advocate this type of policy. Give this term for a tax on imports or exports.

Answer: tariffs [prompt on taxes or answers referring to imports or exports or duty/ies]

4. U.S. Representative Warren Davidson was criticized in 2016 for saying that some of these people are moochers. Michelle Obama and Jill Biden have supported a “Mayors Challenge” to end homelessness among these people, which is also the leading cause of the organization Stand Down. In 2014, former Procter & Gamble CEO Robert McDonald replaced Eric Shinseki as head of the federal department concerned with these people. Under Shinseki, there was a scandal in which timelines and other records were falsified at hospitals that care for these people. Name these people honored by a November holiday, who benefit from a 2008 law nicknamed “the new G.I. Bill”.

Answer: (military or war) veterans [accept answers mentioning specific forms or branches of service]

5. A painting by Francisco Goya shows one of these animals tilting its head upward, with the rest of the body obscured by a dark brown section. One of these animals looks up from the bottom of Antonio da Correggio's [kor-"EDGE"-oh'z] *Ganymede Abducted by the Eagle*. Another one of these animals stands at the bottom of Jan [yahn] van Eyck's *Arnolfini Portrait*. One of these animals is curled up in a corner of the bed in Titian's [TEE-shun'z] *Venus of Urbino*. Name these animals that, in cigar advertisements by C. M. Coolidge, were depicted playing poker.

Answer: dogs [accept more specific answers]

**Check the score.**

6. Robert Bunsen created one of these devices by replacing the platinum in William Grove's device with coke and coal. Modern versions of these devices rely on intercalation ["inter"-kal-AY-shun] compounds containing lithium. A simple device of this type contains a salt bridge or a porous disc to separate its two halves. A common school experiment involves producing one of these devices using a nail, penny, and a potato or a lemon. The first one of these devices used a pile of alternating copper and zinc discs separated by cloth soaked in brine, and was produced by Alessandro Volta. Name this type of device that uses an anode and a cathode to generate electrical energy using chemical reactions.

Answer: electrochemical cells or battery/ies [accept galvanic cell or voltaic cell]

7. In one poem, this writer considers childhood and the control Time has had over him, saying "time held me green and dying / though I sang in my chains like the sea"; that poem was at the end of his collection *Deaths and Entrances*. One of this writer's poems about immortality states "though lovers be lost [pause] love shall not." In another poem, this writer addressed his father after saying what good men, wild men, and grave men do. This poet wrote "And death shall have no dominion" and "Fern Hill" as well as a poem that instructs its reader to "rage, rage against the dying of the light." Name this Welsh poet of "Do not go gentle into that good night".

Answer: Dylan Thomas

8. This king imprisoned John Eliot for life after Eliot supported the impeachment of the Duke of Buckingham and then criticized Arminians. After Buckingham ruined the chance for this king to marry Maria Anna of Spain, this king married Henrietta Maria of France, who was Catholic. Parliament supported the Petition of Right, which limited the power of this king and was followed by the Eleven Years' Tyranny, during which this king ruled without Parliament. That period was followed by the Short Parliament and the Long Parliament. Name this king who was beheaded as the Commonwealth of England was established under Oliver Cromwell.

Answer: Charles I (of England) [prompt on Charles]

9. Greeks interpreted Mel-qart as the Tyrian [TEER-ee-un] counterpart to this figure. After Neleus [NIL-yus] refused to purge this man of a blood debt, this man killed Neleus and his sons, except Nestor. This figure killed his music teacher Linus with a lyre. As an infant, this person's suckling was so strong that it created the Milky Way. This person strangled a pair of snakes that Hera had sent to kill him. His nephew Iolaus [YO-la-us] helped him slay a creature by sealing its wounds with a torch. This person was released after capturing Cerberus [SUR-bur-us] for King Eurystheus [yur-ISS-thee-us]. Name this hero who slayed the Hydra as one of his twelve labors.

Answer: Heracles or Hercules

10. The malate-aspartate [MAL-ayt ASS-par-tayt] shunt transports compounds through this organelle. Thermogenin [THUR-moh-JEN-in] decouples a protein in this organelle that is powered by proton motive force. Transport to the inner and outer membranes of this organelle occur through the TIM and TOM complexes. The Q cycle occurs in this organelle as a part of the electron transport chain, which occurs within this organelle after the Krebs cycle. This organelle contains a maternally inherited genome, and its inner portion is called the matrix. Name this organelle that is considered the "powerhouse of the cell".

Answer: mitochondria ["might-oh-CON"-dree-uh] or mitochondrion ["might-oh-CON"-dree-ahn]

**Check the score.**

11. This writer wrote a work, inspired by a two-volume study by Charles Wentworth Upham, in which the servant Mary Warren gives a rag doll to Elizabeth and promises to wake up early to clean the house the next day. In that play, this writer wrote about Betty getting sick after dancing in the woods, which upset her minister father. In another play, this person wrote about Linda asking her husband if he got in a car accident and telling him that he should take a non-traveling job. That couple is visited by their two grown sons, Biff and Happy. Name this author of *The Crucible* and *Death of a Salesman*.

Answer: Arthur (Asher) Miller

12. As this person was leaving a factory where he had given a speech, he was shot twice, and the assassination attempt was blamed on a member of the Esers, Fanny Kaplan. The threat of a peasant rebellion caused this person to adopt his New Economic Policy, which he explained in *On the Food Tax*, and which increased grain production through a mixed economy. This person's poor health caused him to miss the July Days, though he returned and led the October Revolution. He then signed the Decree on Peace withdrawing Russia from World War I. Name this first Premier of the Soviet Union, whose 1924 death allowed the rise of Stalin.

Answer: Vladimir (Ilyich) Lenin [or Vladimir (Ilyich) Ulyanov]

13. The last piece by this composer has a title invented by the poet Gerard Manley Hopkins, and begins with an eleven-note chord. This composer won an Oscar for his work on *The Heiress*, and he was nominated for his scores for *Our Town* and *Of Mice and Men*. This composer of *Inscape* wrote *Connotations* for the opening of Philharmonic Hall in New York City, and also wrote a ballet that was choreographed by Agnes de Mille and includes a “Hoe-Down”. Name this composer of the ballets *Billy the Kid* and *Rodeo* [roh-DAY-oh], who also wrote *Fanfare for the Common Man*.

Answer: Aaron Copland

14. This operation applied to twice the input is used in the upper right and lower left corners of a two-dimensional reflection matrix. This function can be approximated by the sum of alternating signed terms of  $x$  raised to an odd power divided by the factorial of that odd exponent. The law named for this function can be used to find missing triangle side lengths if one side length and the angle measurements are known. This function is the reciprocal of the cosecant function. Name this function that gives the  $y$ -coordinate on the unit circle, and that equals the ratio of the opposite side length to the hypotenuse length in a right triangle.

Answer: sine function [accept answers that additionally mention a variable]

15. This person’s article “A Seventeenth-Century Demonological Neurosis” analyzed painter Christoph Haizmann’s descriptions of pacts with the devil. This person’s follower Wilhelm Stekel [VIL-helm SHTEK-ul] introduced the term *thanatos* [THAAN-uh-tohss] for this person’s concept of death drives. This person described those death drives in his book *Beyond the Pleasure Principle*. This thinker wrote that boys “direct our first sexual impulse towards our mother and our first hatred... against our father” in his description of the Oedipus complex, which he described in *The Interpretation of Dreams*. Name this Austrian founder of psychoanalysis.

Answer: Sigmund Freud [ZEEK-moont FROYD]

### **Check the score.**

16. During this battle, James Grant was killed at the Battle of Agua Dulce [AH-gwah DOOL-say]. This battle led to a large civilian retreat called the Runaway Scrape. During this battle, a letter stating “I shall never surrender or retreat” and ending with the words “Victory or death” was written by William Travis, who died in it. Travis was on the same side as the hero of the Grass Fight who also died in this battle, James Bowie. The victor of this battle, who was beaten soon thereafter at the Battle of San Jacinto [juh-SIN-toh], was Antonio López de Santa Anna. Davy Crockett was killed at what 1836 battle in what is now San Antonio?

Answer: Battle of the Alamo

17. During the 1930s, a cleaning of this building led to the discovery of paintings showing Christ with Saint Thomas and Saint Christopher that are in the Chapel of Saint Blaise. Banners celebrating the Order of the Bath hang in this building's Lady Chapel, which was built in the early 16th century. In the 20th century, the practice of holding weddings in this building was resumed after there hadn't been one since Anne of Bohemia married Richard II. Starting with Geoffrey Chaucer, many famous writers are buried in its South Transept, which is known as Poets' Corner. Name this building in London where English coronations take place.

Answer: Westminster Abbey [or Collegiate Church of Saint Peter at Westminster; prompt on Westminster]

18. In this book, a woman locks up five people who are interested in her and worried about being found by her husband; she also gets her lover freed from jail and leaves town with him. Also in this book, a barber tells about being wrongly accused of smuggling and then describes his six brothers, the first of whom has a hunchback. Also in this book, a woodcutter is saved by his slave after finding a thieves' den that can be opened after saying "open sesame". In this book, a boy retrieves an oil lamp with the help of a genie. Name this book in which Scheherazade [shuh-HAIR-uh-ZAH-duh] tells the stories of Ali Baba and Aladdin.

Answer: One Thousand and One Nights [or The Arabian Nights' Entertainment or The Thousand and One Nights or kitab alf layla wa-layla]

19. As an update to the Vienna Convention designed to help this region, scientists are calling for a move to chemicals derived from o-le-fins rather than alkanes for refrigeration. The temporary weakening of this region in 2015 reversed a several-year trend and was blamed on the eruption of Mount Calbuco. The reason for this region's recent improvement is the Montreal Protocol, which was signed during the 1980s and phased out the use of hydro-chloro-fluoro-carbons. This region in the lower portion of the stratosphere developed a hole over Antarctica, letting in too much ultraviolet light. Name this region that contains a high concentration of O3.

Answer: ozone layer [or ozone shield; prompt on stratosphere]

20. This river was explored jointly by Henry Walter Bates, who studied animal mimicry, and Alfred Russel Wallace, who wrote about its monkeys before working with Darwin on the theory of natural selection. The Madeira River feeds this river east of Manaus [mah-NAH-ooss], which is where this river is fed by the largest blackwater river in the world, the Rio Negro. This river is the only way to access the town of Benjamin Constant, home of the Magüta Museum of the Ticuna people. The region surrounding this river is by far the world's largest rainforest. Name this river that begins in Peru and crosses Brazil, generally considered the second longest river in the world.

Answer: Amazon River [or Rio Amazonas]

***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.***

- TB21. This writer's descriptions of the Galápagos Islands are in his novella *The Encantadas, or Enchanted Isles*. In a short story by this writer, the title character is visited in jail by the narrator, and tells him "I know you, and I want nothing to say to you." In that short story by this author, the narrator had employed the title character, but a request to look over a small paper was greeted with the reply, "I would prefer not to." This author also wrote a novel about a man who is missing part of his leg and captains the *Pequod* ["PEEK-wad"] on a mission for revenge against a white whale. Name this author who wrote "Bartleby, the Scrivener" and *Moby-Dick*.

Answer: Herman Melville

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

- TB22. One leader of this country had his talks collected into *The Forgotten People*, and formed the Liberal Party during the time between his two years and his next sixteen years as prime minister. That man, who improved this country's capital, was Robert Menzies. In 2013, this country had a vote of its Labor Party Caucus with the two leading candidates each promising to retire from politics if they lost, ending Julia Gillard's [GIL-ard'z] career and returning Kevin Rudd to power. Similarly, a leadership vote in this country's Liberal Party in 2015 replaced Tony Abbott with Malcolm Turnbull. Name this country that is its own continent.

Answer: (Commonwealth of) Australia

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

- TB23. Based on a phrase from Isaiah about peace, a common saying says that there is none of this for the wicked. Invariant physical mass, which is possessed by objects that aren't moving, is also known as this type of mass. In music, this word refers to silence. Give this word that is the 'R' in "R.I.P."

Answer: rest(s) or resting

***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.***