Scobol Solo 2015
Packet 7 (Round 7)

1. This country was headed by Carol I [1], who started the Hohenzollern-Sigmaringen [ZEEG-mar-EEN-gin] dynasty, after it declared independence from the Ottoman Empire. Gheorghe Gheorghiu-Dej [GYOR-guh GYOR-gyoo DAYJ], who started its Securitate [seh-koor-ee-TAH-teh] secret police, headed this country during the first part of its Communist era. This country's poor treatment of orphans at Cighid [CHEE-jeed] was blamed on later Soviet ruler Nicolae Ceausescu ["chow"-CHESS-kyoo]. Formed from a union of Moldavia and Wallachia, this country covers roughly the same area as the Roman province of Dacia [DAY-shee-uh]. Though Vlad the Impaler was born in Hungary, he lived in what is now this country. Name this country that includes Transylvania and Bucharest.
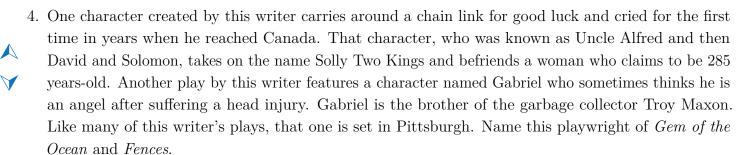
   Answer: <u>Romania</u>

2. Factors that cause peak-broadening in this technique are used in the van Deemter equation. Affinity tags are used in one form of this technique, which typically consists of eluting a substance through a column. Silica gel is used in the column type of this technique. Using this technique often involves calculating the retardation factor, and in it, a mobile phase typically flows past a stationary phase. In a simple example of this technique, analytes [AN-uh-"lights"] creep up a piece of paper. Name this separation technique that can be used to separate the pigments of ink.

   Answer: <u>chromatography</u> [accept more specific answers]

3. John Woodcock told Diane Abbott that she is supposed to be this group's spokeswoman on international development, not an internet troll. Yvette Cooper, Liz Kendall, and Andy Burnham were in the 2015 election to head this organization but lost. Burnham became the Shadow Home Secretary after his loss. Ed Miliband headed this group until he resigned after a poor performance in elections in May 2015. This group's new leader, who promised to never use nuclear deterrent and calls himself a democratic socialist, is Jeremy Corbyn. Name this party that opposes the Conservatives in the United Kingdom.

   Answer: United Kingdom <u>Labour</u> Party [accept similar answers that include <u>Labour</u>, such as British <u>Labour</u> Party]

4. One character created by this writer carries around a chain link for good luck and cried for the first time in years when he reached Canada. That character, who was known as Uncle Alfred and then David and Solomon, takes on the name Solly Two Kings and befriends a woman who claims to be 285 years-old. Another play by this writer features a character named Gabriel who sometimes thinks he is an angel after suffering a head injury. Gabriel is the brother of the garbage collector Troy Maxon. Like many of this writer's plays, that one is set in Pittsburgh. Name this playwright of *Gem of the Ocean* and *Fences.*

Answer: August <u>Wilson</u> [or Frederick August <u>Kittel</u> Jr.]

5. William Willcocks oversaw the part of this project that was built at the beginning of the 20th century when the region it is in was controlled by Britain. Several archaeological sites were moved by UNESCO [yoo-NESS-koh] for the second part of this project, including the relocation of the Temple of Dendur to the United States in 1963. The Soviet Union funded much of this project, and Nikita Khrushchev [KROOSS-chyawff] called it "the eighth wonder of the world." This project decreased floods and droughts in the region that used to be Nubia. Name this construction project, supported by President Gamal Nasser of Egypt, that created Lake Nasser along the Nile River.

Answer: <u>Aswan Dam</u> [accept <u>Aswan High Dam</u> or <u>Aswan Low Dam</u>; prompt on partial answer]
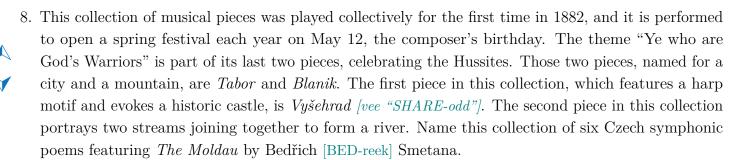
Check the score.

6. The beginning of this geologic period matches the dates of the oldest fossilized angiosperm [AN-jee-oh-"sperm"] pollen, which is just a few million years before the oldest fossilized flowers. At roughly the same time that this period began, the South Atlantic Ocean came into existence as South America separated from Africa, breaking up what had been Gond·wana. The name of this period is due to algae called coccolithophores [koh-koh-LITH-oh-forz] that left chalk deposits. The end of this period was at the same time as the creation of the Chicxulub [CHIK-shoo-loob] crater. Name this period, followed by the Paleogene [PAY-lee-oh-jeen] period, that ended with the mass extinction that wiped out dinosaurs.

Answer: <u>Cretaceous</u> Period

7. The largest islands in this body of water are Krk [kirk] and Cres [tsres], which have a combined population over 20,000 and are east of the Istria peninsula. Though its coast does not include Amsterdam, it does include the Basilica of St. Nicholas in the city Bari. This body of water also borders the region of Dalmatia [dahl-MAY-shuh], which includes the walled city Du·brov·nik. Other cities on its coast include Split and Trieste [tree-EST]. Bosnia and Her·ze·go·vi·na has a short coast on this body of water, and other countries on it include Slovenia, Montenegro, and Albania. The so-called "queen" of this sea is Venice. Name this arm of the Mediterranean Sea between Croatia and Italy.

Answer: <u>Adriatic</u> Sea

8. This collection of musical pieces was played collectively for the first time in 1882, and it is performed to open a spring festival each year on May 12, the composer's birthday. The theme "Ye who are God's Warriors" is part of its last two pieces, celebrating the Hussites. Those two pieces, named for a city and a mountain, are *Tabor* and *Blanik*. The first piece in this collection, which features a harp motif and evokes a historic castle, is *Vyšehrad* *[vee "SHARE-odd"]*. The second piece in this collection portrays two streams joining together to form a river. Name this collection of six Czech symphonic poems featuring *The Moldau* by Bedřich [BED-reek] Smetana.

   Answer: Má Vlast [or My Homeland]

9. In this novel, a few young men hang out in a bar that plays Berti Laski's song "You Blister My Paint" and meet women whose wigs are purple and green and orange. P.R. Deltoid asks the protagonist of this novel, "Is it some devil that crawls inside of you?" The protagonist of this novel often asks his friends "What's it going to be then, eh?". One of his friends, who is described as very ugly but "very handy with the boot," is Dim. In this novel, that group of friends commits several acts of ultra-violence, which leads to an attempt to cure Alex using the Lu·do·vi·co Technique. Name this novel written in a Russian-influenced English called Nad·sat, by Anthony Burgess.

   Answer: A *Clockwork Orange*

10. Some diseases in this organelle are caused by excessive amounts of GM2 gang·li·o·sides. I-Cell disease causes the redirection of incoming proteins away from this organelle. Mannose-6 phosphate tags proteins bound for this organelle. Low hexo·samin·idase A [HEK-soh-suh-MIN-ih-dayss "A"] production in this organelle causes Tay-Sachs disease. This type of vesicle fuses with a different type of vesicle that forms during phago·cytosis [FAY-goh-sy-TOH-sis]. Scientists formerly believed that this vesicle was only found in animal cells. Name this acidic organelle containing enzymes used in auto·phagia [aw-toh-FAY-jee-uh], which is the breaking down of cell waste and macro·molecules.

    Answer: lysosome(s)

Check the score.

11. This general forced Cherokees to shoot a chief and the chief's children as part of an incident known as "The Place Where They Cried". A shoulder injury this person suffered at Lundy's Lane forced him to sit out the rest of the War of 1812. He was forced to prepare troops during the Nullification Crisis. This person defeated Santa Anna at the Battle for Mexico City after leading the Siege of Veracruz and the Battle of Cha·pul·te·pec when he was sent in to bolster Zachary Taylor's forces during the Mexican-American War. He then lost to Franklin Pierce in the election of 1852. Name this general who was nicknamed "Old Fuss and Feathers".

    Answer: Winfield Scott

12. One of God's messengers said "Don't cleanse yourself with dung or with bones for that is the food of your brothers from amongst" this group of creatures. According to a tale written by Irving Karchmar, King Solomon said "Name thyself, demon" when he was actually speaking to one of these creatures sometimes considered a fallen angel named Ornias. An *Ifrit [eef-reet]*, such as the one found by a fisherman who casts his net four times each day, is a type of this creature. These creatures were created from a smokeless flame of fire. Because many of these creatures are evil, people who seek help from them often receive a twisted form of that help. Name these creatures from the Koran that in some folktales are trapped in containers.

Answer: <u>jinn</u>s [accept <u>genie</u>s; prompt on (fallen) <u>angel</u>s between "thyself" and "angel"]

13. In one novel by this author, Shulubin [shoo-LOO-been] congratulates Kostoglotov [kohss-toh-GLOH-tohff] for lying less. Though Shulubin soon dies, Kostoglotov is able to return home after a visit to the zoo. In another work by this author, one character tells about a priest who pays alimony to three women in three different towns while supporting his fourth family. That story is told to the devout Baptist Al·yosh·ka. In that novel by this author, Tiurin [TYOO-reen] is the leader of Gang 104, a group of prisoners. Name this Russian author of *Cancer Ward*, who wrote the nonfiction book *The Gulag Archipelago* and the novel *One Day in the Life of Ivan Denisovich*.

Answer: Aleksandr (Isayevich) <u>Solzhenitsyn</u> [sohl-zhuh-NEET-sin]

14. Though Robert Hooke's ideas probably came first, this person built the first balance spring watch. This person's book *Horologium Oscillatorium [OR-oh-LOH-jee-um oh-SIL-uh-TOR-ee-um]* established the equivalence of the center of oscillation and the pivot point of pendulums, and it also solved the tautochrone ["TAUT"-oh-krohn] problem. This person and Jakob Steiner [YAH-kohb SHTY-nur] are the occasional namesakes of the parallel axis theorem used to calculate moments of inertia. The principle named for this person and Augustin-Jean Fresnel [aw-guh-steen zhahn fruh-nel], used to explain diffraction, is based on the idea that every point disturbance is the source of a spherical wave. Identify this Dutch scientist, the first person to write that Saturn is surrounded by rings and the namesake of a probe that went to Titan.

Answer: Christiaan <u>Huygens</u> [HOY-gunz]

15. The album for this musical includes the song "The Lady's Got Potential", which was cut from the original version of the musical itself but added into some later versions. The opening of this musical, which is set after most of the action takes place, includes a crowd singing "Oh What a Circus" after learning of the protagonist's death. The song "You Must Love Me" was written for the film version, which came out in 1996. In one song in this musical, the protagonist sings "I kept my promise / don't keep your distance." This Andrew Lloyd Webber and Tim Rice musical is set in South America. Name this musical about one nation's former first lady, which features the song "Don't Cry for Me, Argentina".

Answer: <u>Evita</u>

Check the score.

16. This writer said that all people, good and evil, "do what benefits the preservation of the human race". That passage appears in a book whose appendix contains "Songs of Prince Vogelfrei [VOH-gul-fry]" and whose prelude is a set of 63 brief poems titled "Joke, Cunning, and Revenge". In that book, this writer says he wants to be only a "Yes-sayer" because of his amor fati [ah-MOR fah-TEE], or love of fate. Before becoming critical of them, this person wrote highly of the works of Arthur Schopenhauer [SHOH-pen-"how"-ur] and Richard Wagner [REEK-hart VAHG-nur]. This writer's book *The Gay Science* is the first work in which he wrote "God is dead." Name this German philosopher who wrote about the *übermensch [UR-bur-mensh]* in *Thus Spoke Zarathustra.*

Answer: Friedrich (Wilhelm) <u>Nietzsche</u> [NEETS-shuh]

17. Edward Elgar set to music this writer's lines such as "vision unto vision calleth / while the young child dreameth on." In an epic by this writer, Marian refuses a marriage proposal from Romney after the title character receives a letter from Lady Waldemar. Another poem by this writer begins with the line "yes, call me by my pet-name!". This writer of "A Child Asleep" and *Aurora Leigh* also wrote a poem that ends "if God choose, I shall but love thee better after death." That poem, which begins by asking "How do I love thee?", is in *Sonnets from the Portuguese.* Name this Victorian-era poet who was married to another poet, Robert.
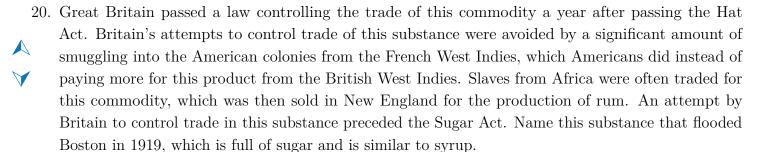
Answer: Elizabeth (Moulton-)<u>Barrett</u> <u>Browning</u> [prompt on <u>Browning</u> by itself; accept <u>Barrett</u> by itself]

18. Though only some C^0 ["C zero"] functions have this property, all C^1 ["C one"] functions have this property. This property is notably lacking from a function built with an infinite sum of cosine functions with periods and amplitudes that decrease exponentially with the sum index, which is the Weierstrass [VY-ur-shtrass] function. The mean value theorem requires this property over a given *open* interval. Every function with this property is continuous, but a function can be continuous without having this property. Name this property of functions that have non-vertical tangent lines at every point, which allows a calculus operation to be applied to them.

Answer: <u>differentiability</u> (everywhere) [or being (everywhere) <u>differentiable</u>; accept answers that indicate being able to take the <u>derivative</u>; prompt on <u>smooth</u>ness; do not accept word forms of "derive"]

19. One painting by this artist shows Baron Dieskau [DEE-skaw] lying on the ground in a white and green uniform. In that painting, Sir William Johnson saves Dieskau. Another painting by this artist is set on the HMS *Victory*, showing several officers trying to hold up a man with a very pale face who has just been shot. That man is Horatio Nelson. In another painting by this artist, a man in a red uniform looks upward as Doctor Thomas Hinde holds a cloth to the man's chest. In that painting, the action is watched by a Native American warrior. Name this artist who portrayed the Seven Years' War, including the Battle of Quebec, in paintings such as *The Death of General Wolfe.*
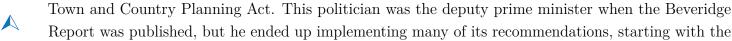
Answer: Benjamin <u>West</u>

20. Great Britain passed a law controlling the trade of this commodity a year after passing the Hat Act. Britain's attempts to control trade of this substance were avoided by a significant amount of smuggling into the American colonies from the French West Indies, which Americans did instead of paying more for this product from the British West Indies. Slaves from Africa were often traded for this commodity, which was then sold in New England for the production of rum. An attempt by Britain to control trade in this substance preceded the Sugar Act. Name this substance that flooded Boston in 1919, which is full of sugar and is similar to syrup.

Answer: <u>molasses</u> [prompt on <u>sugar</u> or black <u>treacle</u>]

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 prime minister increased urban development by signing the first New Town Act and the first Town and Country Planning Act. This politician was the deputy prime minister when the Beveridge Report was published, but he ended up imple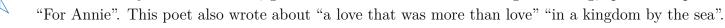menting many of its recommendations, starting with the Family Allowances Act that strengthened the welfare state. His Minister of Health Aneurin [uh-NY-rin] Bevan established Britain's National Health Service. This prime minister also allowed India to gain independence. Name this prime minister who came to power right after World War II ended in Europe, serving in between Winston Churchill's terms.

Answer: Clement <u>Attlee</u>

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

TB22. In one poem by this writer, a dying man states that his "heart it is brighter than all of the many stars in the sky." That narrator, grateful that the fever called "living" is ending, speaks the poem "For Annie". This poet also wrote about "a love that was more than love" "in a kingdom by the sea". Another poem by this writer is narrated by a man who opened his shutter wide after hearing tapping. That man's bust of Pallas above his chamber door is landed upon by a bird who states the name of the man's former lover. Name this American who wrote "Annabel Lee" and a poem about a man who misses Lenore, "The Raven".

Answer: Edgar Allan <u>Poe</u>

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

TB23. This state's governor is Mark Dayton. This state's senators are Amy Klobuchar and Al Franken. This state is east of North Dakota. Name this state whose cities include St. Cloud, Duluth, and St. Paul.

Answer: <u>Minnesota</u>

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.