

Scobol Solo 2019

Packet 3 (Round 3)



1. Based on love poems by Ludwig Uhland [OO-lund] and Ferdinand Freiligrath [FRY-lih-graht], this composer wrote three *Liebesträume* [LEE-buh-shtrow-muh]. Part of one of this composer's works is dedicated to his granddaughter Daniela von Bülow. That section is in this composer's *Années de pèlerinage* [ah-nay deh pel-ree-nahzh]. This composer's daughter Cosima divorced the conductor Hans von Bülow to marry the composer Richard Wagner [REEK-hart VAHG-nur]. One piece by this composer has a dramatic *lassan* followed by a *friska* that has been used in many cartoons, and it is the second of a series of 19 nationalist pieces. Name this composer of *Hungarian Rhapsodies*.

Answer: Franz (Ritter von) Liszt [or Liszt Ferenc]

2. When this character is mocked, he replies "Not a word hath been told me of deeds so daring done by thee." That reply comes after this person describes killing nine monsters in the water after Breca went ashore. Unferth mocks this person and is jealous because this person has offered to kill another monster. Unferth later lends his sword Hrunting [h'RUN-ting] to this person during an attack by that monster's mother. Name this protagonist and title character of an epic poem in which he helps Hrothgar [RAWTH-gar], the king of the Danes, survive attacks by Grendel.

Answer: Beowulf

3. Varignon's [var-een-yohn'z] theorem uses these points on an arbitrary quadrilateral to form a parallelogram. The type of Riemann [REE-mahn] sum named for these points has an error that varies inversely with 24 times the square of the number of regions. This type of point on a chord of a circle has two additional segments go through it in the butterfly theorem. The center of a regular polygon is connected to these points to form an apothem [AP-uh-thum]. The formula for the coordinates of this kind of point uses the average of two x -coordinates and the average of two y -coordinates. Give this term for a point that bisects a line segment.

Answer: midpoints (of the sides)

4. This person wrote "Pleasure is very seldom found where it is sought" in an essay series that included contributions from the painter Joshua Reynolds. Those essays, published in *The Idler*, were written almost a decade after this person wrote his periodical *The Rambler*. This person also wrote *A Journey to the Western Islands of Scotland* about a long trip he took with a person who later wrote a biography about him. That biographer was James Boswell. Name this person who, from 1746 to 1755, compiled *A Dictionary of the English Language*.

Answer: Samuel Johnson

5. The death of this leader was described by Luís Fróis [FROH-ees], a Jesuit missionary that he supported. This leader enacted successful economic reforms known by a two-word name that means “free markets and open guilds”. This leader built many castles, including one near Lake Biwa [BEE-wuh] that was burned soon after his death and that hosted a debate on Buddhism. This leader committed suicide in 1582 after a temple was set on fire during a coup against him led by Akechi Mitsuhide [uh-kay-chee mit-soo-hee-day]. Name this 16th-century supporter of the rakuichi-rakuza [rah-koo-ee-chee rah-koo-zah] reforms who worked with Toyotomi Hideyoshi [toh-yoh-toh-mee hee-day-yoh-shee] and Tokugawa Ieyasu [toh-koo-gah-wah ee-ay-ah-soo] to unify Japan.

Answer: Oda Nobunaga [or Kichihoshi or Saburo [prompt on Nobunaga]]

6. One painting by this artist shows a man wearing green who is holding a rope that goes around Christ’s wrist and who is about to take off the red robe that Christ is wearing. This painter of *The Disrobing of Christ* made another work which depicts a legend in which Saints Stephen and Augustine bury a man who donated a lot of money to the church where he is buried. Both of the landscapes by this painter depict the town he moved to in Spain. Name this painter of *The Burial of the Count of Orgaz* and *View of Toledo* [toh-LAY-doh], who is usually known by a nickname inspired by the fact that he was born on the island of Crete [kreet].

Answer: El Greco [or Doménikos Theotokópoulos]

7. One novel by this author is about an old writer living in Sydenham [SID-un-um] Towers in Sydney, Australia and his employee Anya. In that novel, this author included diary entries and essays supposedly by that old writer on political topics such as torture. In addition to that novel about Señor C., this author wrote a novel about an English professor working on an opera about Lord Byron. This author described many of that protagonist’s affairs, including one with his student Melanie Isaacs. Name this author who moved to Australia from South Africa, the writer of *Diary of a Bad Year* and *Disgrace*.

Answer: J(ohn) M(axwell) Coetzee

8. This object is the source of the highest-energy photons ever recorded, according to research done in 2019. This object is visible near the star Zeta Pegasi, which is sort of between Betelgeuse [“beetle-juice”] and Aldebaran [al-DEB-uh-run]. In 1968, it was discovered that this object has a 30-hertz [“hurts”] optical pulsar in it. According to Chinese observers, this object was visible in the daytime sky for a few weeks in the year 1054. This object is in the constellation Taurus and is the first object in the Messier [mess-yay] catalog. Name this supernova remnant, a very well studied nebula.

Answer: Crab Nebula [prompt on nebula]

9. So he could lead the FBI during the Watergate scandal, William Ruckelshaus resigned as the head of this agency. Because of opinion differences with the George W. Bush administration, Christine Todd Whitman only led this agency for two years; she eventually apologized for statements she made about worker safety after the 9/11 attacks. The leader of this agency resigned in 2018 after leasing an apartment from a lobbyist and spending money on a sound-proof security booth. Andrew Wheeler then replaced Scott Pruitt as head of this agency. Name this agency that oversees Superfund sites and administers the Clean Air and Clean Water Acts.

Answer: EPA or (United States) Environmental Protection Agency

10. This god likes to eat coconut dumplings called *modak*, which are offered to him on Vinayaka Chaturthi, a holiday celebrating his birth. This god is sometimes portrayed as single and sometimes portrayed as married to Buddhi, Siddhi, and Riddhi, who give him intelligence and success. This god lost weight to be able to ride Krauncha, and his ability to ride that rat demonstrates that this god is a destroyer of obstacles. Name this god who was beheaded when he came between his parents Shiva and Parvati, though his father Shiva replaced that head with the head of an elephant.

Answer: Ganesha [or Ganapati]

11. This play opens with a person talking to his attendant; his speech ends “So full of shapes is fancy that it alone is high fantastical.” In this play, that attendant responds by asking “Will you go hunt, my lord?” That opening speech in this play was used to title the Duke Ellington jukebox musical *Play On!*, which was a modern retelling of this play. In the second scene of this play, a woman mistakenly says “My brother he is in Elysium [uh-LEE-zee-um]”, believing that he died in a shipwreck. That woman, who later disguises herself as Cesario in Illyria [ih-LEER-ee-uh], is the twin of Sebastian. Name this William Shakespeare play about Olivia and Duke Orsino that takes place at the end of the Christmas season.

Answer: Twelfth Night, or What You Will

12. This vector quantity is measured by a super-conducting quantum interference device, or “SQUID”. Another way to measure this quantity is to see how much charge carriers are moved sideways, taking advantage of the Hall effect. The most common statement of the Biot-Savart [bee-oh suh-var] law expresses this quantity as proportional to an integral. Ampère’s [am-peer’z] law can be used to find the curl of this quantity. This quantity is used to find the force on a charged particle by crossing it with velocity and multiplying by charge. Name this quantity that is caused by the motion of charged particles, especially when spins are unbalanced, and which is strongest near an object’s north and south poles.

Answer: magnetic field strength [accept magnetic B-field; prompt on magnetism or field strength]

13. This leader was defeated by a young king who had leprosy at the Battle of Montgisard [mawng-ih-sar], and two years later this person defeated the same king at the Siege of Jacob's Ford. This leader was allied with Gökböri [gurk-bur-ee], who ruled Erbil and won the Battle of Cresson. This leader pledged to never forgive his enemy Raynald of Châtillon [shah-tee-yaw], who launched attacks against this leader and supported this leader's enemy Baldwin IV. This leader's troops captured Guy of Lusignan [gee of loo-see-nyaw] during the Battle of Hattin. Name this founder of the Ayyubid ["eye"-YOO-bid] dynasty who was targeted by the Third Crusade.

Answer: Saladin or Salah ad-Din

14. This body of water is fed by the Sefidrud [seff-ee-drood] at the city of Rasht. Anzali Lagoon is southwest of this body at the city of Bandar-e Anzali. This body of water is next to Kara-Bogaz-Gol, which is considered its lagoon. In 2006, a major pipeline opened to take oil from this body of water to the city of Ceyhan [jay-hahn] after going through Tbilisi [t'-bih-LEE-see]. The most populous city on this body's shore is Baku [bah-KOO]. Name this body of water surrounded by Azerbaijan [az-ur-by-JAHN], Iran, Kazakhstan, Russia, and Turkmenistan—sometimes classified as a sea and sometimes as the world's largest lake.

Answer: Caspian Sea

15. This building started out as a house designed by William Winde, who got paid after he took the owner on the roof and threatened to knock him off. This building's expansion was overseen by the architect John Nash in the 1820s and then by Edward Blore. This neoclassical building contains the Crimson Drawing Room and the White Drawing Room. It is not known whether tunnels link this building to Clarence House and Whitehall. The land around this building was used for hunting by Henry VIII [8] and for a zoo by James I. Name this building in Westminster in London that is the home of British royals.

Answer: Buckingham Palace

16. Charles Hansen developed parameters for this property that are used to calculate the relative energy difference between molecules. The retrograde form of this property, in which this property weakens at higher temperatures, is exhibited by calcium hydroxide. Hydroxide salts of group 2 elements have this property, though they have it significantly less than hydroxide salts of group 1 elements. Tables showing this property often have exceptions, such as acetates having this property unless they also have silver or mercury. One measure of this property is typically written as " k_{sp} ". Name this ability of a solute to dissolve in a solvent.

Answer: (molar) solubility [prompt on saturation concentration]

17. In one novel by this author, a character says he is going to buy a hammock from somebody who is rumored to run around howling at night. This author then describes Oscar, Lou, and Alexandra's visit to Crazy Ivar, who knows how to heal animals. Another novel by this writer is about a woman whose siblings are Ambrosch, Marek, and Yulka, and who eventually marries Anton Cuzak. That woman's father commits suicide after the family moves to Black Hawk, Nebraska. Name this author of *O Pioneers!* and *My Ántonia* [AN-toh-nee-uh].

Answer: Willa (Sibert) Cather

18. When this person started his current job, he set a goal of bulldozing or repairing 1,000 houses in the first 1,000 days, which was done. This person also fired police chief Darryl Boykins, who is African-American. This presidential candidate canceled several campaign appearances in June 2019 after a police officer killed Eric Logan. This candidate responded to a debate question on resilience by saying that he served in the military under "Don't Ask Don't Tell" and that he came out during an election year. Name this mayor of South Bend, Indiana.

Answer: Pete(r Paul Montgomery) Buttigieg [buut-ih-jij]

19. When this person was the governor of the Island of Jersey, he was accused of supporting a plot to make Lady Arabella the queen of England. This person was also accused of working with Captain Mackworth to slaughter papal soldiers after the Siege of Smerwick. After this person's lieutenant Lawrence Kemys [KEE-miss] destroyed a Spanish settlement in Guiana ["guy"-AN-uh], this person was executed. Much earlier, this person and his half-brother Humphrey Gilbert tried to start a colony in what is now North Carolina. Name this person whom Elizabeth I and James I imprisoned, who sponsored Roanoke Colony, and who is the namesake of a city in North Carolina.

Answer: (Sir) Walter Raleigh

20. Cells remain in this phase in cancer patients treated with the drug paclitaxel [pak-luh-TAK-sul], also called Taxol. Scientists can get cells to stay in this phase longer by using chemicals that prevent the creation of micro-tubules. During this phase the chromosomes are as coiled and condensed as they get, which is good for karyotyping ["CARRY-oh-typing"]. During this phase, the chromosomes are aligned at and attached to the spindle fibers along a plane that is named for this phase. This phase is generally shorter than the major phase before it, though that is not the case in cancer cells. Name this phase of mitosis [my-TOH-siss] that occurs between pro-phase and ana-phase.

Answer: metaphase

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.

^{TB}21. One story by this writer is about a man who “resolved to sacrifice possible joys in order to avoid sure sorrows”. That man witnessed his spaniel, Sam, being run over by a horse carriage, and he becomes an abbot. This author of “After” wrote a story in which a man had been saving money for a gun, but instead allows his wife to use that money to buy a dress. In that story by this author, the wife goes to Madame Forestier [for-es-tee-ay] to borrow some jewelry to wear, but she loses the jewelry and works very hard to buy a replacement. Name this French author of “The Necklace”.

Answer: (Henri) Guy de Maupassant [gee duh maw-paw-saw]

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

^{TB}22. People have difficulty producing this type of cell if they are missing the AZFc section of a chromosome. A duct used by these cells is missing in people who have cystic fibrosis. These cells are created with ABPs and are secreted by Sertoli cells. These cells have terminal discs at the ends of their mid-pieces, and their front is covered by an acrosome [AK-roh-sohm]. These cells go through the epididymis [ep-ih-DID-ih-miss] to get to the vas deferens, and they are eventually mixed into fluid from the prostate. Name these reproductive cells that have tails and are capable of fertilizing eggs.

Answer: sperm cell [or spermatozoon or spermatozoa; prompt on sex cells or gametes]

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

^{TB}23. An example of this general type of building called Greyfriars was the setting of several books by Frank Richards. A type of this building called Trinity is the setting of Robert Cormier’s *The Chocolate War*. A building of this type called Devon was the setting of John Knowles’s *A Separate Peace*. These buildings are often classified as elementary, primary, or secondary. Name this type of building where students are supposed to learn things.

Answer: school(s) [accept any specific kind of school]

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.