

# Scobol Solo 2017

## Packet 2 (Round 2)



1. The center of one painting by this artist shows a goat wearing a garland surrounded by women, and there is some question about whether the goat is preparing to initiate or eat an infant. Another painting by this artist shows a Titan with wide-open eyes holding a boy who is missing his head and one arm, and the Titan is eating the boy's other arm. That work is one of this artist's *Black Paintings*. Another painting by this artist, set during the Peninsular War in this artist's home country, shows a man in a white shirt with his hands raised outward facing a firing squad. Name this Spanish painter of *Witches' Sabbath*, *Saturn Devouring His Son*, and *The Third of May, 1808*.

Answer: Francisco (José de) Goya (y Lucientes)

2. This leader's predecessor, who was considered insane and died in prison, was Cleomenes [klee-AH-muh-nees] I. This person was short-handed in his last battle because many of his troops were celebrating the Karneia [kar-NEE-ah] festival. A monument to this person is next to a monument to Demophilus of Thespieae [deh-MAH-fih-luss "of" THESS-pee-ee], who died at the same battle. This person's monument says "Molon labe [luh-BAY]", which means "Come and take them." After this person died, his nephew Pausanias [paw-SAY-nee-us] was successful at Plataea [pluh-TEE-uh], and his enemy was stopped at the Battle of Salamis [SAL-uh-miss]. Name this Spartan leader whose 300 men were able to slow King Xerxes [ZURK-seez] I at the Battle of Thermopylae [thur-MAH-puh-lee].

Answer: Leonidas [lee-oh-NY-duss] I

3. "On Heat or Caloric" is the long-discredited first chapter of this scientist's book *New System of Chemical Philosophy*. A unit equal to the reciprocal of the quantity one thousand times Avogadro's number is now named for this person, and is also called the unified atomic mass unit. Another concept sometimes named for this scientist is about compounds with elements in common and is often called the law of multiple proportions. Name this British scientist who is also the namesake of a law stating that the total pressure of a gas equals the sum of its constituents' partial pressures.

Answer: John Dalton

4. This poem is mostly in iambic pentameter [“eye”-AMB-ik pen-TAM-ih-tur], though one of its lines begins “Stand in the” and another line begins “Tell that its”. Though this sonnet is comprised of an octave and a sestet, its seventh line ends with the word “things”, which only rhymes with the end of the tenth line. The tenth and eleventh lines of this poem describe an inscription written on a pedestal. In this poem, the phrase “Two vast and trunkless legs of stone” is the first thing uttered by “a traveller from an antique land”. Name this sonnet written Percy Bysshe Shelley that states, “Look on my works, ye Mighty, and despair!” and was inspired by a fragment of a statue of Ramesses [RAM-zees] II.  
Answer: “Ozymandias”

5. This person appointed the commanders Menesthius [men-iss-THEE-uss], Eudorus [yoo-DOR-uss], Peisander [“pie-sander”], Phoenix, and Alcimedon [alk-ih-MEE-dahn]. After this person injured King Telephus [TEL-uh-fuss], he healed Telephus in exchange for directions. While pretending to be Pyrrha on the island of Skyros [SKY-rohss], this hero sleeps with Deidamia [day-duh-MY-uh], fathering Neoptolemus [nee-up-TAH-lih-muss]. After losing Briseis [brih-SAY-iss] to Agamemnon, this hero refused to fight, but he returns to battle to kill Hector. This hero died when Apollo guided an arrow shot by Paris. Name this Greek hero of the Trojan War that almost achieved immortality when his mother Thetis [THEE-tiss] dipped him in the River Styx, but she missed his heel.  
Answer: Achilles

**Check the score.**

6. To support the town of Almadén in Spain, this artist designed a fountain that uses mercury instead of water. This artist made several works to support Spanish Refugee Aid, including one on display in the San Francisco Museum of Modern Art, which also displays his *Four Big Dots*. Another work by this artist contains a red and black striped shape on top and was built for the stairwell of the New York MoMA [MOH-muh]. That work represents underwater life and, like several of this artist’s works, can move. This artist’s *Universe* is being removed from the Sears Tower, and his *Flamingo* is in Chicago’s Federal Plaza. Name this artist of *Lobster Trap and Fish Tail* and several other mobiles.  
Answer: Alexander (“Sandy”) Calder

7. Bertrand’s paradox is about different methods of selection resulting in different average lengths for this kind of line segment. When two of these segments intersect, the products of the lengths of the parts are equal, according to the “power of a point” theorem. The length of this kind of segment is proportional to the sine of half the angle that subtends this kind of segment. The perpendicular bisector to this kind of segment must pass through the center of the shape this segment is inscribed in. The longest segment of this type in any given circle is called a diameter. Give this term for a segment connecting two points on a circle.  
Answer: chords [do not accept “secant”]

8. One character in this novel has a pine-paneled bar in the shape of a horse-shoe to make his New York City apartment look like a ranch, and is told by the protagonist that her name is Elly Higgin-bottom. In this novel, Lenny Shepherd has a relationship with the protagonist's co-worker Doreen. At the beginning of this novel, the protagonist is upset to read about the Rosenbergs being electrocuted. The protagonist eventually takes sleeping pills in one of her many suicide attempts. The protagonist of this novel sees Dr. Gordon, who prescribes electroconvulsive therapy. Name this novel about Esther Greenwood, written by Sylvia Plath.

Answer: *The Bell Jar*

9. This body of water contains a northeastern bay that was once called the Blue Sea and is now called Dead Kultuk. The Sefid-Rud River empties into this sea at the city of Rasht. Salt is mined from this sea's large eastern lagoon Gara-bogaz-kol. Drilling rights to this body's Azeri and Kyapaz oil fields have been disputed by two countries that border it. A proposed pipeline would carry natural gas east across this body of water from Turkmenistan to Azerbaijan [AZ-ur-by-ZHAWN]. This body of water is fed by the Ural and Volga Rivers. Name this body of water bordered by Russia, Iran, and Kazakhstan, and considered the world's largest lake.

Answer: Caspian Sea

10. In 1933, the U.S. appointed Sumner Welles as the special envoy to this country, where he negotiated with its President Gerardo Machado [hair-AR-doh mah-CHAH-doh]. When Machado's government collapsed, the U.S. helped Carlos Manuel de Céspedes [SES-peh-dehs] gain power in this country, but he was overthrown in the Sergeants' Revolt led by Fulgencio [ful-HEN-see-oh] Batista. When Batista became repressive, a revolt in this country replaced him after the Battle of Santa Clara was won in 1959 by forces under Che Guevara. A few years later, the United States tried to remove this country's government in the Bay of Pigs invasion. Name this country that for 50 years was led by Fidel Castro.

Answer: (Republic of) Cuba [or (República de) Cuba]

**Check the score.**

11. Magnetic fields in manganese [MAN-guh-neeZ]-based perovskite [puh-RAHV-skyte] oxides cause colossal changes in this quantity. In the quantum Hall effect, this quantity equals the von Klitzing constant divided by a rational number. To calculate this value for a prism or cylinder, you take a constant denoted "rho" that depends on the material, and multiply it by length over cross-sectional area. This quantity is sometimes encoded using a series of colored bands. This quantity times current squared equals power, and this quantity times current equals voltage, which is Ohm's law. Name this quantity that describes a material's opposition to current.

Answer: (electrical) resistance [before "rational [number]"; accept conductance or resistivity or conductivity; do not accept or prompt on any of those answers thereafter]

12. In one novel by this writer, Simon complains that Uncle Charles’s tobacco is like gunpowder and tells him to smoke it in the outhouse, and the protagonist breaks his glasses on the cinder-path and is accused of breaking them to get out of work. This author stated that another of his novels “ends in the middle of a sentence and begins in the middle of the same sentence”. Another of his novels ends with Penelope saying “and his heart was going like mad and yes I said yes I will Yes”. Name this Irish author who wrote about Leopold Bloom and Stephen Dedalus in *Finnegans Wake*, *Ulysses*, and *A Portrait of the Artist as a Young Man*.

Answer: James (Augustine Aloysius) Joyce

13. Ludwig Wittgenstein [VIT-gun-shtyne] called this person a saint and said he was “by far the most profound thinker” of the 19th century. This person defined sin as “Before God, or with the conception of God, to be in despair at not willing to be oneself, or in despair at willing to be oneself.” Another of this person’s philosophical works contains a section discussing who should be the unhappiest man and a novella called *Diary of a Seducer*. The two sections of that book by this author contrast aesthetics with ethics, and the books are *The Sickness Unto Death* and *Either/Or*. Name this Danish philosopher sometimes classified as the first existentialist.

Answer: Søren (Aabye) Kierkegaard [SOH-rin KEER-kuh-gard]

14. President Muhammad-u Bu-hari of Nigeria was criticized for plagiarizing this person when he said “I belong to everybody and I belong to nobody.” This leader retired when his referendum to restructure his country’s senate and create new local governing bodies was voted down. This person asked “Must hope disappear? Is defeat final?” in his *Appeal of 18 June*. Many years later, he made his country the fourth nuclear power and removed its military support from NATO. This person returned to power in the May 1958 crisis, which was precipitated by the Algerian War, and he then established the Fifth Republic. Name this man who led a government-in-exile during World War II called the Free French Forces.

Answer: Charles de Gaulle

15. This process is similar to rhizo-cretion [ry-zoh-KREE-shun], but it happens throughout a substance rather than on the surface. This process occurs when lignin and cellulose decay in an-aerobic conditions that prevent structural decay. This process takes place through per-mineral-ization and replacement, in which minerals—particularly calcium carbonate and silica—substitute for organic materials. A national park in Arizona southeast of the Painted Desert is named for the fact that many of the objects there went through this process during the Triassic Period. Name this type of fossilization that often happens to trees’ wood.

Answer: petrification or petrifying or being petrified [prompt on lithification or fossilization]

**Check the score.**

16. The second movement of this composer's third and final violin concerto ["con-CHAIR-toe"] is a barcarolle [BAR-kuh-rohl] labelled *Andantino quasi allegretto* [ahn-dahn-TEE-noh kwah-zee ahl-leg-RET-toh]. This composer dedicated that piece to the violinist Pablo de Sarasate, to whom he also dedicated his *Introduction and Rondo Capriccioso* [kah-preet-CHOH-soh]. Another piece by this composer is accompanied by text that begins "Zig, zig, zig", makes heavy use of the xylophone, and is set at midnight on Halloween. Another piece by this composer includes "Royal March of the Lion" and finishes after "The Swan". Name this French composer of *Danse macabre* [dahnss mah-kab-r'] and *The Carnival of the Animals*.  
Answer: (Charles-)Camille Saint-Saëns [san sawn]

17. One of the politicians opposing this national leader is a lesbian opposed to same-sex marriage, Alice Weidel ["VIE-dull"], whose party was formed in 2013 by Alexander Gauland. In 2017, there was speculation as to whether this leader would put together a coalition that matched the colors of the Jamaican flag, the Kenyan flag, or a traffic light. Christian Lindner's Free Democratic Party gained seats in 2017 elections, while this leader's Christian Democratic Union lost seats. This person was criticized for letting in refugees in 2015, and the backlash led to the far right getting seats in the Bundestag [BOON-duh-shtahk]. Name this chancellor of Germany.  
Answer: Angela Merkel [AHN-geh-lah MAIR-kul] [or Angela Dorothea Kasner]

18. This U.S. president signed a law increasing the amount of time required to become a U.S. citizen from five to fourteen years. This president sent William Vans Murray to France to end what was then the U.S.'s only alliance, leading to an agreement by which France returned captured ships and the Quasi-War against France ended. Earlier, this president increased tensions with France when U.S. diplomats were told to pay bribes. This president criminalized false statements critical of the government as part of the Alien and Sedition Acts, which were passed after the XYZ Affair. He was the only president from the Federalist Party. Name this second U.S. president.  
Answer: John Adams [prompt on "Adams"; do not accept "John Quincy Adams"]

19. Problems with these cells inspired the name of a class of muscle diseases that includes hereditary spastic para-plegia [pa-ruh-PLÉE-juh], which is caused by the spastic gait gene, and am-y-o-trophic lateral sclerosis, which is commonly called Lou Gehrig's disease. Charcot [shar-koh]-Marie-Tooth disease is usually caused by problems in my-e-lin, an electrical insulator that covers extensions of these structures, called axons. Name these cells that transmit information across synapses and make up the spinal cord and brain.  
Answer: neurons or nerve cells [accept motor neurons or motoneurons]

20. Just before dying, this character states “I took by th’ throat the circumcised dog and smote him thus.” After he dies, he is replaced by Gratiano. Much earlier than that, a senator is told that his daughter and this person are “making the beast with two backs”; that statement is made by a man whom this character passed up for a promotion in favor of Cassio. The man whom this character passed up plants a handkerchief on Cassio, causing this character to be jealous, and the handkerchief is originally found by Emilia, who is Iago’s [ee-AH-goh’z] wife. Name this Shakespeare title character, the husband of Desdemona who is nicknamed “the Moor of Venice”.

Answer: Othello(, the Moor of Venice)

***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 narrator says “The days are an arrow in a dead man’s chest”, and then says he studies snow angels that he describes as mysterious and ominous. This narrator and title character describes an ax being thrown at him as “mere midnight foolishness”. At one point, this character is able to sleep after he gets trapped in a tree and attacked by a bull. When he is then attacked by humans, this character is saved by his mother. A novel was written from this character’s point of view about a thousand years after an epic in which he was the antagonist. Name this title character of a John Gardner novel who fights with Hrothgar [RAWTH-gar] and is killed by Beowulf.

Answer: Grendel

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

TB22. “Lindsay’s wheel” is an organized description of fields in which this phenomenon is studied. Under certain conditions, this phenomenon is transmitted by namesake quasi-particles that also conduct heat in nonmetals, cause resist-ivity to depend on temperature, and help electrons form Cooper pairs; those quasi-particles named for this phenomenon are called phonons. Standing waves in pipes produce this phenomenon. Humans can detect this phenomenon when its frequency is between about 20 and 20,000 hertz [“hurts”]. Name this phenomenon transmitted by longitudinal waves whose volume is often measured in decibels.

Answer: acoustics or sound [prompt on noise or music or phonons]

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

TB23. Some of the great moments in this sport’s history have involved Willis Reed, John Havlicek [HAV-luh-chek], and Jerry West. This sport is depicted in the movies *Finding Forrester*, *Hoosiers*, and *Space Jam*. Some of the greatest stars of this sport have been Julius Erving, Kareem Abdul-Jabbar, and Michael Jordan. Name this sport played by the Pacers, Spurs, and Cavaliers.

Answer: basketball

***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.***