

Scobol Solo 2021

Packet 1 (Round 1)

1. One member of this profession gets involved in the Cultural Committee of the Interior Department and is the father of Noriko and Setsuko. That man, who reports Kuroda [koo-roh-dah] to the Committee of Unpatriotic Activities, is the protagonist of a Kazuo Ishiguro [ka-ZOO-oh ish-ih-GUR-oh] novel. In another novel, a woman belongs to this profession despite misogynistic statements by Charles Tansley. That character from Virginia Woolf's *To the Lighthouse* is Lily Briscoe. Another member of this profession is Basil Hallward, who creates the title object in Oscar Wilde's only novel. Name this profession practiced by the creator of an object that ages instead of Dorian Gray.

Answer: painters or painting [accept artists]

(The Ishiguro novel is *An Artist of the Floating World*, and the Oscar Wilde novel is *The Picture of Dorian Gray*.)

2. A line named for this concept is sometimes called the ideal line and is used in projective geometry so that all lines intersect. The continuum hypothesis states that set cardinalities cannot be between two versions of this concept, and one of those versions is called the "countable" type of this concept. One reason an integral may be improper is if either limit represents this concept. Horizontal asymptotes ["ASS-imp-totes"] can be represented by giving the limit of a function as the input approaches this concept. The number of points in a line is an example of this concept. Name this concept that is greater than any number.

Answer: infinity or infinite or infinitely many

3. American journalist Danny Fenster is currently in this country's Insein [IN-"sane"] Prison, which previously held journalists who reported on this country's Inn Din massacre. That attack targeted the Muslim Rohingya [roh-HIN-juh] people, many of whom fled this country in 2017. Since August 2021, this country's prime minister has been Min Aung Hlaing [layng], who initially ruled as the Chairman of the State Administration Council after this country's coup in February. Name this Southeast Asian country that was recently led by Aung San Suu Kyi [awn sahn soo chee].

Answer: (Union of) Burma or (Republic of the Union of) Myanmar [mee-YAHN-mar] [or Pyidaungzu Myanma Naingngandaw]

4. This person described leaving the Liberal Party by saying “In the twinkling of an eye I found myself without an office, without a seat, without a party, and without an appendix.” While in the United States, this person gave a speech stating “From Stettin in the Baltic to Trieste [tree-EST] in the Adriatic, an Iron Curtain has descended across the continent.” When this person became Prime Minister, he said “I have nothing to offer but blood, toil, tears, and sweat.” Name this prime minister of the United Kingdom during World War II.

Answer: Winston (Leonard Spencer) Churchill

5. This word, commonly used as a tempo marking, is the first word marking the final movement in Mahler’s *9th Symphony* and the first word marking the second movement of Sergei Rachmaninoff’s *Piano Concerto No. 2*. A piece titled for this term was originally attributed to Tomaso Albinoni based on a hoax by Remo Giazotto [jah-ZOH-toh]. Another piece with this name was played during the radio broadcasts announcing the deaths of presidents Franklin Roosevelt and John Kennedy. Give this word that appears in the name of a piece “for Strings” by Samuel Barber, a tempo that is faster than *lento* but slower than *andante* [ahn-DAHNTAY].

Answer: adagios

(The hoax piece is *Adagio in G minor* and the death announcement piece is *Adagio for Strings*; accept those names on buzzes during or immediately after the respective descriptions.)

Check the score.

6. One way to multiply this quantity by a ratio is to use epi-cyclic gear systems. In mechanical equilibrium, the net values of force and this quantity are both zero. The combination of weight and an off-center normal force combine to create this quantity in the type of precession named for being induced by it. This quantity equals the rate of change of angular momentum, and it also equals the moment of inertia times angular acceleration. Name this quantity equal to position crossed with force, and which is the rotational analogue of force.

Answer: torque

7. A game named after the “public” type of this concept is used to demonstrate the free-rider problem and has a Nash equilibrium of zero contributions. A textbook by Paul Samuelson and William Nordhaus states that if human wants were fully satisfied, then the “economic” type of this concept would not exist. Artificially scarce examples of this concept are called the “club” type. Some examples of this concept violate the law of demand, such as the Giffen and Veblen types. Name these objects that are transferable but otherwise follow the same economic principles as services.

Answer: goods

8. This month is said to shake out her hair in Sara Teasdale’s “I Shall Not Care”, and her poem titled for this month begins “The roofs are shining.” The third line of Henry Wadsworth Longfellow’s “Paul Revere’s Ride” states that the action took place during this month in ’75. In another poem, this month is described as “breeding lilacs out of the dead land, mixing memory and desire”. Those words are in a long poem’s section called “The Burial of the Dead”. Name this month that in T. S. Eliot’s *The Waste Land* is described as “the cruelest month”.

Answer: April

9. This U.S. president increased the diversity of immigrants by signing the Hart–Celler [“seller”] Act. In reaction to a series of riots nicknamed the “long, hot summer”, this president established an investigation by the Kerner Commission. This president nominated Robert Weaver as the first African-American cabinet member and Thurgood Marshall as the first African-American Supreme Court justice. After the Selma-to-Montgomery marches, this president supported the Voting Rights Act. Name this president who supported the Civil Rights Act of 1964 and who succeeded President Kennedy.

Answer: Lyndon Johnson [accept LBJ; prompt on Johnson]

10. The smallest object thought to have these things is Chariklo [“CARE”-ik-loh]. These things can form when objects pass within the Roche [rohsh] limit. The best-known example of these things has gaps named for Colombo, Maxwell, Encke [EN-kuh], Keeler, and Huygens [HOYG-enz]. A closer example of these things has sections named for the moons Amalthea and Thebe [THEE-bee]. These things can have a toroidal shape, and each of the giant planets in our solar system has a system of them. Name these things that can be formed when moons break apart [pause] and are most prominent around Saturn.

Answer: rings [or ring systems; accept planetary rings]

Check the score.

11. There is a fountain at entrances to temples of this religion so that each person can wash their left hand, then their right hand, then their mouth. The practice of this religion can involve dances in colorful costumes that are inspired by a story of one goddess dancing to get another goddess to stop hiding. Shrines in this religion often separate the mundane from the sacred using gates called torii [toh-ree-ee]. Over time, this religion has blended with Buddhism. The spirits venerated in this religion are called *kami*. Name this indigenous religion of Japan.

Answer: Shintoism [accept kami-no-michi]

12. The left side of one painting by this artist—who is not Titian [TISH-un]—shows St. John in a blue robe with his hands in the air. That work by this artist was called *Profane Love* for several centuries but is now usually called *Opening of the Fifth Seal*. Another painting by this artist depicts a 14th-century legend in which St. Stephen and St. Augustine move the body of a dead mayor. A landscape by this artist shows a cathedral on the wrong side of a palace in the hilly city that this painter moved to. Name this painter of *The Burial of the Count of Orgaz* and *View of Toledo* [toh-LAY-doh] who moved from Crete to Spain.

Answer: El Greco [or Doménikos Theotokópoulos]

13. This character tells a chaplain that in case the chaplain is thinking about writing a symbolic poem, this character belongs to the “two to the fighting eighth power”. That conversation takes place shortly after this character and another character who often falls on his face join together to accuse the Texan of murdering the soldier in white. This character is the protagonist in a novel whose title concept is explained to him by Doc Daneeka, and he belongs to a U.S. Army Air Squadron based on the island of Pianosa during World War II. Name this protagonist of Joseph Heller’s *Catch-22*.

Answer: (John) Yossarian [accept either]

14. The alcohol content of a liquid can be measured by finding this property using an ebulliometer [eh-BOO-lee-AH-mih-tur]. If this property of a mixture is uniform and less than it is for the constituents, then the mixture is a positive azeotrope [AY-zee-oh-“trope”]. This property is represented as a curve between the critical point and the triple point on a phase diagram. The elevation of this property is a colligative [kuh-LIG-uh-tiv] property. At this point, the vapor pressure of a liquid equals the pressure surrounding the liquid. Name this temperature and pressure at which a liquid becomes a gas.

Answer: boiling point [accept answers that additionally mention “standard” and/or “atmospheric pressure”]

15. Some of the earliest explorations of this river by Europeans were chronicled by Gaspar de Carvajal [kar-vah-HAHL], and this river’s name is based on a battle description by Francisco de Orellana [or-ay-YAH-nah]. During World War II, people drafted to work along this river were called “rubber soldiers”. In recent years, the area around this river has undergone massive deforestation, and there were large wildfires in the rainforest around it in 2019. Name this river that begins in Peru, forms part of the border with Colombia, and is mostly in Brazil.

Answer: Amazon River [or Río Amazonas]

Check the score.

16. This mountain range contains Gaube [gawb] Lake, which is next to this range's peak called Vignemale [veen-yeh-mahl]. This mountain range includes the Maladeta Massif [mah-luh-DAY-tuh mah-SEEF], which in turn includes this range's highest mountain, Aneto [ah-NAY-toh]. This range is between the Bay of Biscay and the Balearic Sea. The town of Lourdes [lordz] is in this mountain range, and this range is near the cities of Toulouse [tuh-looss] and Pamplona. Name this mountain range that contains Andorra and that separates the Iberian Peninsula from the rest of Europe, lying along the border of Spain and France.

Answer: Pyrenees Mountains [or Pirineos]

17. A building named for this architect was used as an office by Senator Joe Biden and underwent renovations after complaints that it was “all concrete everywhere”. That building named after this person is also called Wilmington Tower. This architect convinced the nation of Qatar [“cutter”] to build an island to contain the Museum of Islamic Art in Doha, which he designed. For another project by this architect, the outer structure was built before the supporting structure was completed in case François Mitterand [fran-swah mee-tair-awn] lost the election in 1988. Name this architect whose design for the Louvre Museum includes a glass pyramid.

Answer: I(eoh) M(ing) Pei

18. An essay by Stephen Jay Gould is named for this body part in a panda, which in that case is a large sesamoid [SESS-uh-moyd] bone. This body part is controlled by the flexor pollicis [PAWL-uh-siss] longus muscle, which only functions in humans. Spider monkeys and colobus [KAH-luh-buss] monkeys do not have this body part, but most primates do have it. This body part contains the first metacarpal bone. If this body part can be rotated so that the front of it can face similar body parts, then it is called “opposable”. Name this first digit of the hand, the shortest finger.

Answer: thumbs

19. In a play by this writer, Ergaste [ur-gahst] is given a letter and is told that his master should not write letters again. In that play, this writer depicts Isabelle's trick to get Sganarelle [s'gah-nuh-rel] to take a love letter to Valère [va-lair]. In another play by this writer, Arnolphe and Horace both attempt to marry Agnès. Those plays have similar titles. In another play by this writer, Arsinoé [ar-sin-oh-ay] and Éliante are both interested in the protagonist, but the protagonist is interested in Célimène [seh-lee-men]. In that play, many characters criticize each other, including a criticism of Oronte's [oh-RAWN-tay'z] sonnet by Alceste [al-sest]. Name this playwright of *The School for Husbands*, *The School for Wives*, and *The Misanthrope*.

Answer: Molière [mohl-yair] [or Jean-Baptiste Poquelin]

20. A memorial for this ship has been the temporary burial place for Lord Lothian, Ignacy Jan Paderewski [ig-NAHT-see yahn pah-deh-REFF-skee], and Manuel Quezon [KAY-zon]. That memorial, which contains this ship's mast, is at Arlington National Cemetery. The destruction of this ship was investigated by Captain William T. Sampson. It also received an enormous amount of coverage in the *The New York Journal*, inspiring a slogan that ended "To hell with Spain!". This ship was destroyed in February 1898 in Havana Harbor. Name this ship whose explosion was used to build American support for the Spanish–American War.

Answer: (USS) Maine

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. In a failed effort to improve voting rights, this U.S. president supported Henry Cabot Lodge's Federal Elections Bill. In a failed effort to get another naval base, this president appointed Frederick Douglass as the ambassador to Haiti. This President tried to annex Hawaii when Lili'uokalani [LILL-ee-oo-oh-kah-LAH-nee] lost power just before he did. This president signed the first antitrust act, which was sponsored by John Sherman. That act was popular, but this president was criticized for the McKinley Tariff. This President served between Grover Cleveland's terms. Name this president who was the grandson of the shortest-serving president.

Answer: Benjamin Harrison [prompt on Harrison]

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

- ^{TB}22. The scattering of this particle was used to create a diffraction pattern in the Davisson–Germer experiment. The charge on this particle was measured in Robert Millikan's oil drop experiment. A very small unit of energy is defined as the energy gained when this particle accelerates through a potential difference of 1 volt. A neutron, this particle, and this particle's anti-neutrino are produced in beta-minus decay. A stream of this particle is called a cathode ray, in which form J. J. Thomson discovered this particle. Other than neutrinos, this particle is the lightest lepton. This particle's anti-particle is the positron. Name this negatively charged particle that occupies atomic orbitals.

Answer: electrons

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

- ^{TB}23. This letter can be placed in front of Burmese names as an honorific for men. This letter and *V* are commonly used to represent potential energy. According to a Sinead [shuh-NAYD] O'Connor song title, nothing compares to this letter. According to an MC Hammer song title, this letter can't touch "this". This letter is the atomic symbol for uranium. Name this letter that comes between 'T' and 'V'.

Answer: 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.