

# Scobol Solo 2022

## Packet 10 (Round 10)

1. This country was defeated by France at the Battle of Maysalun [MAY-suh-LOON] in 1920, and it did not gain independence until the end of World War II. This country lost some control over a neighboring country during the Cedar Revolution in 2005. More recently, this country maintained control of its own city of al-Hasakah [HAH-suh-kuh] but lost control of its own city of Idlib [EED-lib] in 2015. Around that time, Russia became heavily involved in the fighting in this country. Name this country that has been fighting a civil war since 2011 and which for the most part is run by Bashar al-Assad from Damascus.

Answer: Syria [or Syrian Arab Republic or al-Jumhuriyah al-Arabiyyah as-Suriyah]

2. In the beginning of a play about this Titan, he is led on stage by Kratos and Bia, who represent strength and force [pause] and are in charge of keeping this Titan in captivity. This Titan warned his brother not to marry Pandora, but his brother did not listen. This Titan was responsible for the trick at Mecone [meh-“CONE”], in which Zeus was fooled into selecting bones for a sacrifice instead of meat and fat. As a punishment, this Titan was chained to a rock and had his liver eaten each day by an eagle. Name this Titan who created humans from clay and gave fire to humans.

Answer: Prometheus

3. This quantity only exists for objects in conservative fields. For an object in simple harmonic motion, this quantity varies directly with the square of the distance from equilibrium. For a central gravitational force, this quantity is conventionally given a negative value, though that can be changed by adding a positive constant. For a downward gravitational force, this quantity is equal to mass times gravitational field strength times height. Name this quantity that is often symbolized capital  $U$  and which is added to kinetic energy to get total mechanical energy.

Answer: potential energy [do not accept “energy”]

4. One novel by this author ends “And strangest of all is it to hold my wife’s hand again, and to think that I have counted her, and that she has counted me, among the dead.” Earlier in that novel, this author describes the astronomer Ogilvy seeing what looks like a shooting star but is actually a huge cylinder. Another novel by this author begins with a discussion about the possible existence of an instantaneous cube. In that novel, the title device gets stolen by the Morlocks, who eat Eloi [EE-loi] such as Weena. Name this author who wrote *The War of the Worlds* and *The Time Machine*.

Answer: H(erbert) G(eorge) Wells

5. When the protagonist of this musical is asked what she wants to do first, she says “The floors. I’ll scrub them first; then I’ll get to the windows.” This show’s protagonist then leads the song “I Think I’m Gonna Like It Here”. The song “Maybe” is sung near the beginning and end of both acts of this musical with the lyric “Their one mistake was givin’ up me.” The protagonist of this musical impresses President Franklin Roosevelt and his cabinet by singing the optimistic song “Tomorrow”. Name this musical in which “Daddy” Warbucks adopts the title orphan.

Answer: Annie

***Check the score.***

6. This woman supported the painter Élisabeth Vigée [vee-zheh] Le Brun, who made several portraits of her and her family. This woman also supported the dressmaker Rose Bertin, who became known as the Minister of Fashion. This woman’s oldest child was a queen for 20 minutes, and many people claimed to be one of this woman’s sons after the boys died at the ages of 7 and 10. This woman and her family were arrested during the Flight to Varennes [vah-ren]. This person was the youngest daughter of Empress Maria Theresa and Emperor Francis I. Name this wife of King Louis XVI [16] who has falsely been portrayed as demonstrating callousness during a famine by saying “Let them eat cake.”

Answer: Marie Antoinette (Josèphe Jeanne) [or Maria Antonia Josepha Johanna]

7. The northeast corner of this U.S. state contains the three Alkali Lakes, which are east of this state’s Modoc [MOH-dahk] National Forest and Warner Mountains. This state is the home of tule [TOO-lee] elk, which live in and around Mendocino [men-duh-SEE-noh] National Forest. This state contains the highest peaks in the Sierra Nevadas, including Mount Humphreys, Mount Williamson, and Mount Whitney. The lowest elevation in North America is at Badwater Basin in Death Valley in this state. Name this state that contains the cities Fresno, San Jose, San Diego, and Los Angeles.

Answer: California

8. A class of hydrolases [“HIDE-row-laces”] named for this type of substance are in lysosomes [“LICE”-oh-sohmz] and work best in the environment inside the lysosome. There are palmitic, stearic, and oleic [oh-LEE-ik] examples of the “fatty” substances of this type. Many organic types of these substances have a carboxyl [“car-BOX-ill”] group. These substances are capable of accepting an electron pair according to Gilbert Lewis’s definition. Name these substances that have a pH lower than 7 and which, according to the Arrhenius [uh-REE-nee-uss] definition, give off protons in water.

Answer: acids

9. In one poem, this writer describes himself as “A sixty-year-old smiling public man”. At the end of that poem, this poet asks a tree “Are you the leaf, the blossom or the bole?” and asks a body “How can we know the dancer from the dance?”. This person reacted to a political event by writing another poem in which three of the four stanzas end “a terrible beauty is born”. This author wrote that poem in 1916. Another poem by this writer says “The falcon cannot hear the falconer” before giving what would become the title of Chinua Achebe’s [chin-wah ah-CHAY-bah’z] best-known novel, *Things Fall Apart*. Name this Irish poet who wrote “Among School Children”, “Easter, 1916”, and “The Second Coming”.

Answer: William Butler Yeats [rhymes with “gates”]

10. This key is the main key of Wolfgang Mozart’s *Paris*, *Haffner*, and *Prague* symphonies. Anthony Hicks said that George Handel’s *Messiah* had “an aspiration towards” this key signature. One piece in this key signature was originally written for three violins and basso continuo and paired with a gigue [zheeg]. That piece in this key is probably the most famous one in which instruments play the same notes starting at different times. This major key is relative to B minor, and its two sharps are F sharp and C sharp. Name this key signature of Pachelbel’s *Canon*.

Answer: D major

### ***Check the score.***

11. This U.S. president responded to a European blockade of Venezuela with a statement saying the U.S. can be forced “in flagrant cases of such wrongdoing or impotence, to the exercise of an international police power”. This president reacted to diplomatic problems with Japan by sending the Great White Fleet around the world. After Colombia rejected the Hay–Herrán Treaty, this president helped Panama gain independence so the Panama Canal could be built. Name this president who had gained fame fighting for the Rough Riders and who became president on the assassination of William McKinley.

Answer: Theodore Roosevelt (Jr.) or “Teddy” Roosevelt [prompt on Roosevelt or T. R.]

12. NASA’s CALIPSO satellite is studying these objects. The polar meso-spheric types of these things cannot be seen during daylight, so they are often called nocti-lucent [nahk-tih-LOO-sent]. In very cold weather, the nacreous [NAY-kree-uss] types of these things can form, and they can be lenticular [len-TIK-yoo-lur] or non-lenticular. These naturally forming aerosols consist of water droplets or ice crystals in air, and they are formed when moist air rises. When these things form close to the ground, they are called fog. These things can be classified as cirrus, cumulus, or stratus. Name these white or gray objects in the sky.

Answer: clouds [prompt on aerosols before “mesospheric”]

13. The Unification Church was not started in this country, but this country's ruling Liberal Democratic Party has been criticized in 2022 for having strong ties to that church, and its prime minister has vowed to break those ties. This country's prime minister has also been criticized for having the government fund the funeral of the person who was this country's prime minister from 2012 to 2020. A person who blamed his mother's bankruptcy on the Unification Church assassinated that former prime minister in July 2022. Name this country formerly led by Shinzo Abe [ah-bay] and currently led by Fumio Kishida [foo-mee-oh kih-shee-dah].

Answer: Japan [or Nippon-koku or Nihon-koku]

14. In one play by this writer, a dying man tells his daughters to leave, but, according to a messenger, tells Theseus to stay. This writer set that play at his birthplace, which according to what he said was sacred to the Furies. In a play by this writer set after that one, the title character wants to bury Polynices [pah-lee-NY-seez] despite Creon's [KREE-ahn'z] edict. Those works are two of this writer's Theban [THEE-bun] plays. The first of those plays chronologically is about a man who kills his father Laius ["LIE-us"] and marries his mother Jocasta [joh-KASS-tuh]. Name this writer of *Antigone* [an-TIG-uh-nee] and *Oedipus at Colonus* [kuh-LOH-nus].

Answer: Sophocles [SAH-fuh-kleez]

15. This person became a Christian when he divorced his second and third wives in 1927 and married Soong Mei-ling. This man and his wife promoted four virtues when they spread the New Life Movement. This person turned down control of French Indochina when he met with Winston Churchill and Franklin Roosevelt to determine plans for Burma and Japan at the Cairo Conference in 1943. This person started out as a supporter of Sun Yat-sen, and his biggest loss was to Mao Zedong. Name this leader of the Kuomintang [kwoh-min-"TANG"] who in 1949 retreated to Taiwan.

Answer: Chiang Kai-shek [j'yahng kye-SHEK] [or Jiang Jieshi or Jiang Zhongzheng]

**Check the score.**

16. This class of animals evolved from cynodonts ["SIGH"-noh-dawnts], which are a type of therapsid. This class of animals have red blood cells that lack a nucleus. This class includes the order Eulipotyphla [yoo-lih-poh-TIFF-luh], which contains hedgehogs and moles. While this class includes mono-tremes and marsupials, most animals in this class are placental. These animals have three ear bones, are covered in hair or fur, and have mothers that can provide milk. Though most animals in this class live on land, some, like manatees and whales, live in the water. Name this class that includes humans.

Answer: Mammalia or mammals

17. A painting showing this character lying on a blue bed with a crimson pillow is sometimes named for this character *Sleeping* and sometimes named for this character *and Cupid*. That painting of this character is by Artemisia Gentileschi [ar-teh-MEE-zhah jen-tee-LESS-kee]. Another painting of this character shows Cupid holding up a mirror for her, was painted by Diego Velázquez, and hung for a long time in Rokeby Park. Another painting of this character shows her just before a dress is put on her by the Hora of Spring as this character comes ashore. Name this goddess whose *Birth* is depicted by Sandro Botticelli, who portrayed her on a half-shell.

Answer: Venus [prompt on Aphrodite]

18. According to Adam Smith, a great amount of this concept “may, perhaps, frequently be admitted as an apology for great folly”. John Kenneth Galbraith said that this concept “is not without its advantages”. An international tax named for this concept has been proposed by Thomas Piketty [toh-mah pee-keh-tee] to decrease both income inequality and the inequality named for this concept. A plan by Huey Long was named for sharing this concept. This word is a synonym of “affluence” and “prosperity”. Name this concept that appears in the title of a book by Adam Smith, which described it in relation to *Nations*.

Answer: wealth [do not accept synonyms]

19. One novel by this author ends with the statement “They endured” and begins “Through the fence, between the curling flower spaces, I could see them hitting.” This author started that novel with Luster taking care of a mentally disabled man. Another novel by this author begins with Cash building a coffin for his mother and then tells the story of moving the mother’s body to Jefferson, Mississippi. Name this author who described the Compson family in *The Sound and the Fury* and described the Bundren family in *As I Lay Dying*, both of which are set in Yoknapatawpha [YAWK-nuh-puh-TAW-fuh] County.

Answer: William (Cuthbert) Faulkner

20. One technique for integration is named for “partial” examples of these mathematical expressions. Every number can be expressed as a “continued” version of this kind of expression. Without needing a special transformation first, the limit of this type of expression can be taken using L’Hôpital’s [loh-pee-tahl’z] rule. Adding or subtracting these expressions usually involves finding the least common multiple of parts of them. Rational numbers can be written as this kind of expression using two integers, but irrational numbers cannot be. These expressions are called “improper” if the top is greater than the bottom. Name this expression that consists of a numerator divided by a denominator.

Answer: fractions [prompt on quotients or division or rational expression]

***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. The type of shock named for this quantity can cause stagflation. In reaction to stagflation in the 1970s, economic theories were developed that increased this quantity by increasing free trade and by lowering tax rates and government regulation. The short-run curve representing this quantity equals the portion of a marginal cost above the average variable cost. A curve representing this quantity typically slopes upward on a graph of price vs. quantity. This quantity is the amount of a given product or service available to consumers at a given price level. Name this quantity that is compared to demand.

Answer: supply

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

- TB22. This country had a National Schism during the 1910s because King Constantine I was pro-German and the prime minister supported the Allies. King Constantine II was forced to flee this country in 1967 at the beginning of the Regime of the Colonels. In 2010, there were riots in this country when it used austerity measures to obtain loans from the IMF and EU in reaction to this country's deficit reaching 15% of GDP. That led to the Syriza [SIH-rih-zuh] Party, led by Alexis Tsipras, taking power from George Papandreou [pah-pahn-DRAY-oo]. Name this country that contains the sites of prominent ancient city-states such as Athens.

Answer: Greece [accept Hellenic Republic or Ellada]

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

- TB23. The factorial of this number of seconds is exactly one week. Canada has this many provinces. This number is the address of the British prime minister on Downing Street. Give this number that the decimal system uses as a base.

Answer: 10

***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.***