

Scobol Solo 2018

Championship I (Phase I: Questions 1-20)



1. In the penultimate stanza of this poem, the narrator asks his friend, “why the glassy lights. . . mastered the night and portioned out the sea.” Those lights are in fishing boats in this poem, and the friend is Ramon Fernandez. The main person at the beginning of this poem is described as “the single artificer [ar-TIF-ih-sur] of the world.” The end of this poem talks about words “in ghostlier demarcations, keener sounds”. The speaker of this poem is inspired by hearing a singer, of whom he says “She sang beyond the genius of the sea.” Name this Wallace Stevens poem set in Florida.

Answer: “The Idea of Order at Key West”

2. Thaddeus Lowe flew his *Enterprise* balloon for reconnaissance during this battle. This battle was the first combat use of wig-wag signaling, as Edward Porter Alexander sent a warning to Nathan “Shanks” Evans. During this battle, a stray artillery shot killed an 85-year old widow, who is now the namesake of the Henry House Hill. Irwin McDowell’s retreat during this battle was hampered by panicked civilian spectators. The date that P. G. T. Beauregard [BOH-“regard”] was made a general was officially given as July 21, 1861 to match the date of this battle. Shortly before dying of wounds from this battle, Barnard Bee exclaimed “There stands Jackson like a stone wall!”. Some three months after Fort Sumter was what first major battle of the American Civil War?

Answer: First Battle of Bull Run or First Battle of Manassas [prompt on Bull Run or Manassas]

3. A former leader of this religion, and architect of many of its major worship sites, created this religion’s orthodox sect after he was rejected from being its new major leader. That man, Charles Mason Remey [REE-mee], was declared a covenant-breaker of this religion. A calligraphic symbol is placed between two stars in a symbol from this religion called the ring-stone. The founder of this religion made a speech in the Ridván [rez-vahn] garden that is now commemorated by a 12-day festival. The founder of this religion wrote *The Seven Valleys* and *The Epistle to the Son of the Wolf* as well as this religion’s primary holy text, the *Kitáb-i-Aqdas* [kee-TAWB ee AHK-duss]. Name this religion started in 1863 by a man from Persia.

Answer: Bahá’í Faith

4. The magnetic analogue of this number varies inversely with magnetic diffusivity [DIF-yoo-SIV-ih-tee] and is used to determine whether diffusion or advection is more important. In its more common context, this number often varies inversely with the Darcy friction factor. This number can be calculated as velocity times diameter times density over viscosity. This number is the ratio of inertial forces to viscous forces. Name this number that at values below 2,000 predicts laminar flow [pause] and at values above 2,000 predicts turbulence.

Answer: Reynolds number

5. This character repeatedly passively responds to another character's comments with the phrase "anything you say" in the song "By the Sea". This character sings about old possessions returned to him by a friend in the song "My Friends". The duet "Pretty Women" is sung by this character and a man he is preparing to kill, Judge Turpin. This character works with Mrs. Lovett to make meat pies from the flesh of people he kills when they come to his barbershop in a musical by Stephen Sondheim. Name this *Demon Barber of Fleet Street*.

Answer: Sweeney Todd or Benjamin Barker [accept any underlined part]

Check the score.

6. After serving in the U.S. House, this person won election to the Senate using the slogan "Don't trade a record for a promise." This person was replaced by Richard Nixon on the Permanent Subcommittee on Investigations after this person angered Joseph McCarthy. This Republican said that Republicans used the "Four Horsemen of Calumny [KAL-um-nee]" in a speech denouncing McCarthy, entitled "Declaration of Conscience". This person sought the 1964 Republican presidential nomination but finished fifth at the convention. Name this representative from Maine, the longest-serving Republican woman in Senate history.

Answer: Margaret Chase Smith [accept either underlined name]

7. This character tells a leader "Your mistrust cannot make me a traitor." Later on, when this character is told "I had rather hear you chide than this man woo", she states "I pray you do not fall in love with me, for I am falser than vows made in wine." That conversation occurs with Silvius and Phoebe, and this character then leaves with the shepherd Corin and her cousin, who pretends to be Aliena but is actually Celia. This woman uses the name "Ganymede" when she disguises herself as a man. This daughter of Duke Senior is exiled by Duke Frederick to the Forest of Arden. Name this woman who loves Orlando in William Shakespeare's *As You Like It*.

Answer: Rosalind

8. Integrating $|x - y|$ ["the absolute value of x minus y "] raised to a whole-number power, with x and y both going from 0 to 1, always gives the reciprocal of one of these numbers. Subtracting successive *squares* of these numbers always gives a perfect cube, while adding successive squares of them always gives another of these numbers. The n th of these numbers equals $n + 1$ choose 2, or the sum of the first n positive numbers. Identify these numbers, the first of which are 1, 3, 6, 10, and 15, named after the shape that those numbers of dots can be arranged into.

Answer: triangular numbers or triangle numbers

9. In one work, this thinker argued for three categories of religious behavior, including world-flying mysticism and inner-worldly asceticism. This thinker focused on kinship groups and beliefs in ancestral spirits in his book *The Religion of China*, which attempted to explain differences in urban development between China and Europe; he followed that up with *The Religion of India*. This author of *Economy and Society* defined the state as the entity with a monopoly on the legitimate use of force in his essay “Politics as a Vocation”. Name this sociologist who argued that Calvinism had influenced the rise of a certain economic system in *The Protestant Ethic and the Spirit of Capitalism*.

Answer: (Karl Emil Maximilian) “Max” Weber

10. Dmitri Shostakovich’s *Piano Concerto No. 1* was written as a neo-baroque concerto for orchestra and this instrument. A popular show-piece for this instrument is a variation on “Carnival of Venice” arranged by Jean-Baptiste Arban. Gustav Mahler’s fifth symphony opens with a solo for this instrument on the note C-sharp. One of these instruments responds to a string orchestra and a flute quartet in Charles Ives’ *The Unanswered Question*. This instrument plays the rising opening notes of Aaron Copland’s *Fanfare for the Common Man*. This instrument’s “voluntary” is commonly played at weddings. Name this high brass instrument that is similar to the cornet.

Answer: trumpet(s)

Check the score.

11. A reconstructed airplane hung over the entrance to this person’s luxurious estate, Hacienda Napoles [ah-see-EN-dah NAH-poh-“lace”]. The memoir of Virginia Vallejo [vy-YAY-hoh] gave support to the belief that this person funded the Palace of Justice siege, during which Marxists took over his country’s Supreme Court and attempted to put the president on trial. It is believed that this person worked with Alberto Santofimio to orchestrate the death of the 1990 Liberal Party presidential candidate, Luis Carlos Galán. He also offered to pay off his country’s debt in order to avoid extradition. This man’s hometown closed a museum dedicated to him in 2018 in an effort to reduce “narco-tourism”. Name this cocaine mogul who led the Medellín [may-day-EEN] cartel.

Answer: Pablo (Emilio) Escobar (Gaviria)

12. When using this theory, items that are changed by inversion are labeled u and items that are unchanged are labeled g , after the German words for “odd” and “even”. This theory explains deficient compounds like borane [BOR-ayn]. John Lennard-Jones predicted the para-magnetism of di-oxygen with an early version of this theory, while its later application to aromatics produced Hückel’s rule. The Hartree-Fock method determines energies under this theory. In this theory, quantum super-positions are modeled using the LCAO approximation. Although the valence theory of Lewis and Pauling is better at predicting bond angles, this theory simplifies bond order to one-half the difference between number of bonding and anti-bonding electrons. This theory can be pictured as a ladder of increasing sigma and pi bonds. Name this quantum mechanical theory of chemical bonding that uses wave-functions to distribute electrons over all nuclei of a compound.

Answer: molecular orbital theory [accept MO theory]

13. At the beginning of July 2018, this country imposed a social media tax. In 2018, a member of this country’s parliament claimed that police shot his driver, and soon after that he was charged with treason when protesters threw stones at a vehicle that was transporting this country’s president. That man is Robert Kyagulanyi [“cue”-goo-LAHN-yee], a pop star also known as Bobi Wine. This country has been headed since 1986 by Yoweri Museveni [YOH-wair-ee moo-SEV-eh-nee]. This country was the original home of Joseph Kony, who started the Lord’s Resistance Army. Name this country whose current leader played a role in ousting its former leaders Milton Obote [oh-BOH-tay] and Idi Amin [EE-dee ah-MEEN].

Answer: (Republic of) Uganda

14. This city is the setting of a novel whose first chapter is narrated by the murdered miniaturist Elegant Effendi. The protagonist of Ernest Hemingway’s “The Snows of Kilimanjaro” remembers traveling to this city after quarreling with his wife in Paris and seeing “dead men wearing white ballet skirts and upturned shoes with pompons on them”. While traveling to this city, Voltaire’s *Candide* learns that Cunégonde [koo-neh-gawnd] has lost her beauty, according to Cacambo. This city is the setting of *My Name is Red* and the birthplace of that novel’s author, who also wrote the 2002 novel *Snow*. Name this birthplace of Orhan Pamuk.

Answer: Istanbul or Constantinople

15. The German missionary Johannes Lepsius wrote a notable “report” documenting this event. Thousands fled on the French ship *Jeanne D’Arc* [zhahn dark] during this event after losing the Battle of Musa Dagh. Many of the perpetrators of this event were hunted down in Operation Nemesis. This event was investigated by Raphael Lemkin after Talaat Pasha was assassinated in Berlin. During this event, Enver Pasha’s “Special Organization” carried out methodical killings and thousands of people were left to die in the Syrian desert. Name this event that took place primarily from 1915 to 1917, in which the Ottoman Empire massacred millions of a particular ethnic group.

Answer: Armenian genocide [accept any reasonable answer containing both underlined words; accept Armenian holocaust; prompt on genocide]

Check the score.

16. Studying mealworms, the early geneticist Nettie Stevens first correlated this process with a specific chromosome. The genus *Silene* is a dioecious [“die”-EE-shus] plant model for this kind of system. This process has up to seven different outcomes in the protist model organism *Tetrahymena* [TET-ruh-“hi”-MEE-nuh]. The SRY gene initiates this stage of development in mammals, while in alligators, a threshold of 30° Celsius governs this process. The ovum controls this system in birds by making offspring either ZZ or ZW. In fruit flies and humans, this process is based on X and Y chromosomes. Name this process of deciding whether offspring will be male or female.

Answer: sex determination [or determining sex; do not accept or prompt on answers containing “gender”]

17. This artist appears “seated, holding cards” in a painting by a friend, but later wrote that “I don’t want anyone to know that I posed for” that painting. A woman in a pink dress with a rose hanging from her shoulder holds a folding fan, and a balcony of people is visible behind her, in this artist’s painting *Woman with a Pearl Necklace*. That painting, like this artist’s paintings of women peering into binoculars, is set at the opera and features this artist’s sister Lydia. In a painting by this artist, a man dressed in navy blue holds the oar of a rowboat as a white mast splays to the painting’s left next to a person clutching a child in pink. This artist was grouped with Marie Bracquemond [mah-ree brachk-mawn] and Berthe Morisot [bairt moh-ree-soh] as one of “les trois grandes dames” [leh twah grahnd dahm] of an art movement. Name this American Impressionist who painted *The Boating Party* and *The Child’s Bath*.

Answer: Mary (Stevenson) Cassatt

18. This author’s first novel begins just after a farmer from Vermont kills his girlfriend and hides her body, and it switches narratives between the family the farmer leaves behind and the farmer himself. The farmer’s name is Loyal Blood. This author’s short story collection *Close Range: Wyoming Stories* contains a story about Ennis del Mar and Jack Twist, who develop a homosexual relationship while tending sheep and who reunite several times over the years that follow. Another novel by this author features a relationship between Wavey Prowse and Quoye, the latter of whom writes a column for the *Gammy Bird* in Newfoundland. Name this author of *Postcards*, “Brokeback Mountain”, and *The Shipping News*.

Answer: (Edna Ann) “Annie” Proulx [proo]

19. This national park is just west of Lake Natron, which is a breeding ground for lesser flamingos. The Ngorongoro [UN-guh-RAWN-guh-roh] Conservation Area in this national park has recently experienced the construction of luxury hotels and the eviction of semi-nomadic native populations, who speak the Maa language. In that language, this park’s name means “endless plains”. Every year at this national park’s Mara River, many animals migrate, including zebras and hundreds of thousands of wildebeest. This national park is just southeast of Lake Victoria. Name this national park that borders Kenya and is in Tanzania.

Answer: Serengeti National Park

20. The beginning of this period is characterized by *Treptichnus pedum* [trep-TIK-nuss PEE-dum], which are the earliest known animal burrows. During this geologic period, the redlichiida [red-lih-CHEE-dah] lived; they were among the early trilobites [“TRY-low-bites”], which increased greatly in number during this period. This period started with the Fortunian stage and the Terreneuvian [tair-uh-NOO-vee-un] series. The End-Botomian mass extinction was during this period, and it ended with an extinction event that led to the Ordovician [or-doh-VISH-un] period. This period is characterized by events about 540 million years ago when there was an enormous increase in animal phyla [fy-luh]. Name this start of the Paleozoic [pay-lee-oh-ZOH-ik] era, whose increase in animal species is often called an “explosion”.

Answer: Cambrian Period

This is the end of the packet.