

# Scobol Solo 2019

## Championship IV (Phase IV: Questions 51-60)



51. Government funding for this program was inconsistent, causing the MOP project to be put on hold one year after it started. An early version of this program was carried out in Green Bank, West Virginia in 1960 under the name “Project Ozma”. A “Research Center” in Berkeley continues this project using the name SERENDIP. Project Phoenix was part of this effort and checked 800 stars. Frank Drake has helped lead this effort; Drake’s namesake equation gives the rough probability that this effort will eventually succeed. Name this effort to monitor signals in an attempt to locate distant civilizations.

Answer: SETI [or the Search for Extraterrestrial Intelligence; accept SERENDIP or Search for Extraterrestrial Radio Emissions from Nearby Developed Intelligent Populations before “SERENDIP”; prompt on descriptive answers]

52. This organization’s Danny Trull and Gary Casteel are cooperating with an embezzlement investigation into this organization’s president, Gary Jones, and former president, Dennis Williams. Jones announced in November 2019 that he is taking a leave of absence. Members of this organization controversially did not have health insurance for 10 days in September 2019. This organization, which was unable to return jobs to Lordstown, Ohio, was able to save jobs on the border of Hamtramck and Detroit. Name this union that had a long strike in September and October before reaching a deal with General Motors.

Answer: United Automobile Workers or UAW [or The International Union, United Automobile, Aerospace, and Agricultural Implement Workers of America]

53. One canvas by this artist depicts customers looking at paintings in its right half while paintings are being packed up in its left half. That work, which shows a portrait of Louis XIV [14] being put into a wooden box, is *The Shop Sign of Gersaint*. Another painting by this artist is focused on a man in a bright white outfit holding his hat. That work, *The Italian Comedians*, is one of many works by this artist based on *commedia dell’arte* [kohm-MAY-dee-ah del-AR-tay]. Art historians have debated whether another work by this artist shows people going to or away from the birthplace of Aphrodite. Name this French Rococo painter of *The Embarkation for Cythera* [KITH-uh-ruh].

Answer: (Jean-)Antoine Watteau [an-twahn wah-toh]

54. A biography of this leader was written by the Welsh monk Asser and is generally accurate, though this person did not start the University of Oxford. This person completely re-designed several towns, including Winchester. This leader was known for bringing scholars to Britain, including John the Old Saxon. This leader defeated Guthrum at the Battle of Edington, which led to agreed boundaries of the Dane-law, which was between this leader's lands and Mercia. This leader called himself the King of the Anglo-Saxons, and he is often listed as the first English monarch. Name this ninth-century ruler who for a time was the King of the West Saxons.

Answer: Alfred the Great

55. In one play by this writer, a character says he hates books, adding "To be more precise, prose. Or to be even more precise, modern prose." That character, Robert, is married to Emma, who has an affair with Jerry in a play by this writer that uses reverse chronology. This author of *Betrayal* wrote a play that turns violent when one of the characters states "There's no juice in you. You're nothing but an odor." Those words were spoken by Goldberg to Stanley Webber in this writer's play set in a boarding house owned by Meg and Petey Boles. Name this 2005 Nobel Prize Laureate from England who wrote *The Birthday Party*.

Answer: Harold Pinter

56. This surface is often used as an example of an orientable genus-1 surface, and a genus-2 surface can be called a "double" type of this surface. This surface can be represented by a square with arrows at the top and bottom of the square pointing to the right, and arrows on the sides of the square pointing down, which shows how to make this shape by joining edges of paper. Pappus's centroid theorem can be used to explain the  $2\pi^2$  ["2 pi squared"] part of the formula for this surface's volume. This surface can be generated by moving a circle in a circular path in the third dimension. Name this surface with a hole that is similar to a donut.

Answer: (ring) torus [accept toroid]

57. When this god let his bad feelings build up inside, he vomited out a demon goddess with strong teeth and protruding tusks, named Amanozako [ah-moh-noh-zah-koh]. One time while this god slept, his hair was tied to rafters by his son-in-law Okuninushi [oh-koo-nee-noo-shee], who took his lute and sword in addition to taking away this god's daughter Suseri [soo-seh-ree]. This god transformed Kushi-inada-hime [koo-shee ee-nah-dah hee-may] into a comb to keep her safe from a dragon who had eaten seven of her sisters. This god took the sword Kusanagi [koo-sah-nahg-ee] from the dragon Yamata-no-Orochi [yah-mah-tah no oh-roh-chee]. Name this brother of Tsukuyomi [soo-koo-yoh-mee] and Amaterasu [ah-mah-teh-rah-soo], the Shinto god of the sea and storms.

Answer: (Takehaya) Susanoo-no-Mikoto [or Kumano Ketsumiko-no-Kami]

58. This city *currently* contains the Chapel of St. John the Baptist, which was originally built in Rome and is in the Church of St. Roch [“rock”]. This city’s best-known street ends at a column holding a bronze statue of the Marquis of Pombal standing next to a lion. Some of the 16th-century buildings in this city are said to be in the Manueline [mahn-well-een] style, including the Belém Tower, which is a symbol of this city’s importance as a launching point for explorers. Many of the older buildings in this city were damaged by an earthquake in 1755. Name this city where the Vasco da Gama Bridge spans the Tagus [TAY-guss] River in Portugal.

Answer: Lisbon, Portugal [or Lisboa]

59. During this dynasty, Ji Dan was a regent who became known as the God of Dreams and is credited with developing the concept of the mandate of heaven. Jiang Ziya served as a minister during this dynasty after helping kings Wen and Wu gain power. A chronicle of the state of Lu led to one part of this dynasty being called the Spring and Autumn period, which preceded this dynasty’s downfall during the Warring States period. This dynasty was in power while Confucius and Laozi were alive. Name this dynasty that had Western and Eastern phases and which ruled between the Shang and Qin dynasties.

Answer: Zhou dynasty [accept Western Zhou or Eastern Zhou]

60. One work by this poet is about an animal but becomes religious at the end, stating he who “Guides through the boundless sky thy certain flight. . . will lead my steps aright”. Earlier in that poem, this writer asks a bird “Whither. . . dost thou pursue thy solitary way?”. Another poem by this writer advises people to live right so they can “approach thy grave, like one who wraps the drapery of his couch about him, and lies down to pleasant dreams”. Name this American poet who wrote “To A Waterfowl” and a consideration of death entitled “Thanatopsis” [than-uh-“TOP”-siss].

Answer: William Cullen Bryant

*This is the end of the packet.*