

Scobol Solo 2020

Packet 7 (Round 7)



1. One story by this writer begins with the narrator finding out that Reverend James Flynn has died, and the narrator later learns that Flynn had lost his nerves after breaking a chalice. In another story by this writer, Gretta Conroy tells her husband Gabriel about Michael Furey, a former boyfriend of hers who died much earlier. A novel by this writer is about a boy who attends Clongowes [KLAHN-“goes”] Wood College and then University College in Dublin. That boy is Stephen Dedalus. Name this author who included “The Sisters” and “The Dead” in *Dubliners* and who wrote *A Portrait of the Artist as a Young Man*.

Answer: James (Augustine Aloysius) Joyce

2. Instead of this composer completing the opera *Les francs-juges* [lay frahnk zhoozh], he changed some of the vocal parts into trombone parts and used them in the *Funeral oration* movement in one of his symphonies. The first movement of that symphony is a *Funeral march* that this composer used to commemorate fighters in the July Revolution. This composer of *Grande symphonie funèbre et triomphale* [grahnd seem-foh-nee foo-neh-bruh ay tree-awm-fahll] wrote another symphony that tells a story that moves from “A Ball” to a “Scene in the Fields”. Name this French composer who included a “March to the Scaffold” in his *Symphonie fantastique*.

Answer: (Louis-)Hector Berlioz [bair-lee-ohz]

3. One of the revolts against European rule in what is now this country was the Conspiracy of the Maharlikas [mah-HAR-lee-kahz]. That revolt was started by datu [DAH-too], who were leaders of groups in this country called barangays [“bar-un-GUYS”]. In 1892, a secret organization called the Katipunan [kah-tee-POO-nun] led by Andrés Bonifacio was started to push for this country’s independence. During the leadership of Manuel Roxas [ROH-hahss], this country gained independence from the U.S. in 1946. Ferdinand Marcos eventually became the president of this country, but his popularity dropped after the assassination of Benigno Aquino [buh-NEEG-naw ah-KEE-noh]. Name this archipelagic country whose current president is Rodrigo Duterte.

Answer: (Republic of) the Philippines or (Republika ng) Pilipinas

4. The hybrid-i-zation for molecules of this geometry is the same as the hybridization of the nitrogen molecules in urea [yur-EE-uh]. This geometry occurs for each individual carbon atom in benzene. Both phosgene [FAHSS-jeen] and formaldehyde molecules have this geometry. The hybridization for this shape is sp^2 [“S P two”]. Molecules in this shape have three atoms bonded to the central atom and zero lone pairs. Boron tri-fluoride and sulfur tri-oxide have this geometry. Name this flat molecular geometry with central angles of 120° [“120 degrees”].

Answer: trigonal planar [prompt on partial answer; prompt on triangle or triangular]

5. One character in this novel gets upset when Professor Junkin tells her that her granddaughter is about to fail out of school. When that grandmother tells that to her son on the morning of Good Friday in this novel's third section, the son almost attacks his niece with his belt. In the first section of this novel, several people are said to be "hitting" when they are playing golf. That first section is narrated by Benjy, who needs to be taken care of by his sister Caddy. Name this novel about the downfall of the Compson family that was written by William Faulkner.

Answer: *The Sound and the Fury*

Check the score.

6. Douglas Hofstadter stated that J. S. Bach's *Musical Offering*, like the works of Gödel and Escher, reminds him "of the beautiful many-voiced fugue of" this entity. According to a Zen koan, this entity moves rather than a flag or the wind. George Berkeley [BARK-lee] wrote that objects exist only within this entity when establishing the doctrine of im-material-ism, whereas philosophical realism is based on the belief that objects exist outside this entity. Philosophers have debated whether or not this entity is physical, and, if not, how it interacts with physical objects. Name this entity that, according to some philosophers, has states that correspond to states of the brain.

Answer: (human) mind

7. A branch of this organization mostly won a 1976 Supreme Court case against John Danforth et al, though the court determined that record-keeping laws were legal. In 2006, this organization's actions were limited after they lost a case against them that was combined with a case against LeRoy Carhart. Using the "undue burden" standard, this organization won its 1992 Supreme Court case against Robert Casey. This organization has changed its name since being found by Margaret Sanger. Name this organization that supported Norma McCorvey when she won her 1973 Supreme Court case *Roe v. Wade*.

Answer: Planned Parenthood (Federation of America, Inc.) [accept PPFA]

8. The triangular numbers can be generated by applying this operation to each natural number and 2. The powers of 2 can be generated by adding the all values of this operation with the same first input. This operation is applied to two exponents to calculate binomial coefficients. This operation generates the values in Pascal's triangle. This operation is calculated using division and three factorials. This operation is used to find how many ways you can select a given number of items from a larger set. Name this operation used for calculations in which order does not matter, in contrast with permutations.

Answer: binomial combinations or binomial choose [accept binomial coefficients before "coefficients"; prompt on $n \text{ C } r$]

9. In response to the 16th Street Baptist Church bombing in 1963, this musician recorded a song that begins with a lament in which his pianist McCoy Tyner plays low notes. That song is “Alabama”. This musician’s song “Mr. P.C.” is named after his bassist Paul Chambers, and his song “Naima” is named after his wife. Those songs were recorded when this musician got a contract with Atlantic Records and made the album *Giant Steps*. Soon after that, this musician recorded the album *My Favorite Things*. Name this jazz saxophonist who had a solo career after performing on several Miles Davis albums.

Answer: John (William) Coltrane

10. This country’s town of Coxen Hole and Manawakie [ma-nuh-WAH-kee] Eco Nature Park are on the island of Roatán [roh-ah-TAHN]. Its settlement of Mangrove Bight is on the island of Guanaja [gwah-NAH-hah]. Those locations are off this country’s north coast, while its south coast is the central part of the Gulf of Fonseca. This country contains the most populous non-capital city in Central America, San Pedro Sula. This country is next to El Salvador, between Guatemala and Nicaragua. Name this Central American country whose capital is Tegucigalpa [tay-goo-see-GAHL-pah].

Answer: Republic of Honduras

Check the score.

11. This battle was fought between the Battles of South Mountain and Shepherds-town. Because of the number of deaths, one location in this battle had its name changed from “Sunken Road” to “Bloody Lane”. Some of the soldiers in this battle had fought at the Second Battle of Bull Run two weeks earlier. This battle was a strategic victory for General McClellan, but he was heavily criticized for not aggressively finishing off Robert E. Lee’s armies. Five days after this battle, Abraham Lincoln issued the Emancipation Proclamation. Name this battle that was the bloodiest day in U.S. military history and was fought near Sharpsburg, Maryland.

Answer: Battle of Antietam [accept Sharpsburg before “Sharpsburg”]

12. There is some research indicating that women are more sensitive to the signaler types of these chemicals than men. Martha McClintock’s research on the effects of these chemicals on women is controversial, particularly her research on the modulator types. The first chemical of this type discovered was used by female silkworms and called bombykol [BAHM-bee-kohl]. One of these chemicals, Nasonov, attracts honeybees. The cat-appeasing and dog-appeasing examples of these chemicals are used to calm animals; other versions of these chemicals can be used to alarm animals or to attract them sexually. Name these compounds similar to hormones that are excreted and affect other organisms.

Answer: pheromones [“FAIR”-oh-mohnz]

13. This painter said “I want to paint pure Greekness” about a painting he made with a Roman subject that is a sequel to some Nicolas Poussin [poo-san] paintings. In that painting, this painter depicted Hersilia [her-SEE-lee-uh] standing between her father Tatius [TAY-shus], the king of the Sabines, and her husband Romulus, the king of Rome. This painter of *The Intervention of the Sabine Women* depicted three Romans before they fight three men from Alba Longa. In that painting by this artist, a father holds up his sons’ three swords. Name this painter of *Oath of the Horatii* [hor-AY-shee-“eye”].
Answer: Jacques-Louis David [zhahk loo-ee dah-veed]

14. One poem by this writer refers to “the yellow fog that rubs its back upon the window-panes” and then twice refers to the yellow smoke. In that poem, this person wrote “I have heard the mermaids singing” before ending the poem “Till human voices wake us, and we drown”. Another poem by this writer says—five times in all caps—“Hurry up please its time” in its second section, which is titled “A Game of Chess”. This poet ended that poem with the words “Shantih shantih shantih” and began it “April is the cruellest month”. Name this poet who wrote “The Love Song of J. Alfred Prufrock” and “The Waste Land”.
Answer: T(homas) S(tearns) Eliot

15. According to this religion, there is a star track, moon track, and sun track for different types of people in heaven. Those tracks are described in this religion’s *Book of Arda Viraf*. Divine entities in this religion are called *yazatas*, though the divine entities that come from the chief god are called Amesha Spenta. The major collection of hymns in this religion is the five *Gathas*, which are part of the *Yasna*. This religion’s texts are collected in the Avesta, which was supposedly created by Ahura Mazda. Name this ancient Persian religion that in some ways is mono-theistic.
Answer: Zoroastrianism

Check the score.

16. A ratio used to measure this type of motion equals $1/2$ times charge times g -factor times magnetic field strength divided by mass. One explanation for this type of motion is that downward motion accelerates while upward motion decelerates, which cancels out the vertical but not the horizontal motion of a rigid object. A famous example of this type of motion takes place at 43 arcseconds per century for Mercury and was used to verify general relativity. This motion is often demonstrated using a bicycle wheel hanging from a point outside of its plane. Name this movement of the axis of a rotating body that explains the motion of gyroscopes.
Answer: (apsidal) precession [accept precessing; prompt on gyroscope or gyroscopic motion]

17. This national leader had meetings in Poland that worked out the limits of Gomulka's [gaw-MOO-kaw'z] thaw. With help from Georgy Zhukov [GYORG-ee ZHOO-kawff], this person gained power while having Lavrentiy Beria [BAIR-ee-uh] sentenced to death for treason. Israel leaked this person's so-called "Secret Speech", during which he was surprisingly critical of one of his predecessors. During a speech in which Philippine delegate Lorenzo Sumulong complained about the freedom of Eastern Europe, this person took off his shoe and banged it on a table at the United Nations. Name this person who in 1953 became the first long-term successor to Stalin.

Answer: Nikita (Sergeyevich) Khrushchev

18. At the end of a play by this writer, the chorus states "The gods appear in many forms, carrying with them unwelcome things." This writer had the chorus speak those words after Agave [ah-GAH-vee] is exiled, which happens after Agave carries the head of her son Pentheus [PEN-thee-uss] on a pike. In another play by this writer, the title character states "To mortal man, how dread a scourge is love." This writer had those words spoken to Creon [KREE-ahn], whose daughter Glauce [GLAO-kee] is the future wife of the title character's husband. Name this ancient playwright of *The Bacchae* [BAK-ee] who wrote about Jason's wife in the play *Medea*.

Answer: Euripides [yoo-RIP-uh-deez]

19. This person's brother Terrence claims that this person's message is "Walk for me. Love for me." This person's sister Bridgett appeared in a Biden campaign ad that showed a mural depicting this person. A portion of Chicago Avenue—which is not in Chicago—near a Cup Foods store by 38th Street is now named for this person. This person's death led to manslaughter and unintentional murder charges against Derek Chauvin [SHOW-vin], who is a police officer. Name this Black man whom Chauvin murdered by kneeling on his neck in Minneapolis.

Answer: George (Perry) Floyd (Jr.)

20. A common way to measure this phenomenon was developed by Wayne Palmer, whose scale indicates this phenomenon when its values are between -10 and -4. The ability of plants to react to this phenomenon is measured by the desiccation tolerance. Studies of fossilized pollen suggest that this phenomenon caused the end of the Bronze Age. This phenomenon is characterized by the amount of evaporation and transpiration being greater than the amount of precipitation. Name these prolonged periods of significant water shortage.

Answer: droughts

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. The Grand Palace in this city is where Ananda Mahidol [ah-nan-DAH MAH-hee-dohn] was shot dead in 1946, and there are still many theories as to who did it. The Burney Treaty and Bowring Treaty were both signed in this city, which as a result became a major trading center. In 1971, this city absorbed the neighboring city of Thonburi [TOHN-boo-REE], which had been a capital city under King Taksin the Great during the 18th century. After Taksin's reign, this city became a capital under King Rama I, and it is now the seat of Rama X. Name this capital of the only Southeast Asian nation not to have been colonized by a Western power, Thailand.

Answer: Bangkok, Thailand [or Krung Thep Maha Nakhon]

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

^{TB}22. One of these statements named after the economist Paul Samuelson is used in a similar role to the statement of this type named after Pafnuty Chebyshev that uses the reciprocal of the square of the number of standard deviations from the mean. Two of the three parts of the law of trichotomy on ordered sets are this type of statement. The symbol in the middle of one of these statements must be reversed when taking the reciprocal of both sides or when multiplying or dividing by a negative number. Name these statements that include a less than or greater than symbol.

Answer: inequality/ies [do not prompt on "equality" or "equation"]

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

^{TB}23. During this month in 1871, Henry Morton Stanley found David Livingstone. On a day during this month in 2015, several coordinated terrorist attacks took place in Paris. In 1605 during this month, Guy Fawkes was arrested for trying to blow up the House of Lords. This month's birthstone is topaz. Federal elections, Veterans' Day, and Thanksgiving take place during this month. Name this 11th month of the year.

Answer: November

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.