

Scobol Solo 2018

Packet 3 (Round 3)



1. This person created a thought experiment in which people treat each other as goals instead of merely means, the “Kingdom of Ends”. This thinker argued that our minds project reality onto the outside world as it really is, which he calls the noumenon [NOO-muh-non]. This thinker wrote that David Hume had awakened him from his “dogmatic slumber”. In *Groundwork of the Metaphysics of Morals*, this person wrote “Act only on that maxim whereby thou canst at the same time will that it should become a universal law.” Name this formulator of the categorical imperative and author of the *Critique of Pure Reason*.

Answer: Immanuel Kant

2. The protagonist of this novel is given the number 6655321 and thrown in State Jail 84F, and he repeatedly asks the question “What’s it going to be then, eh?”. The title of this novel comes from a fictional manuscript in which the writer calls his writing implement a “sword-pen”. That writer, F. Alexander, is brutally beaten by this novel’s protagonist. This novel uses the word “gulliver” to mean “head” and the word “droog” to mean “friend”, combining English with Russian to create the language Nadsat. Alex goes through a form of brainwashing called Ludovico’s Technique in what novel by Anthony Burgess?

Answer: *A Clockwork Orange*

3. California has banned some air purifiers which used this gas because it is a lung irritant, but this gas is sometimes used to purify water because it is better than chlorine at killing protozoans. The Chapman cycle describes the creation of this compound, while the reverse reaction is catalyzed by bromine [BROH-meen] and chlorine atoms. Though polar air usually has more of this compound than tropical air, in the 1980s scientists noticed that this compound was being depleted over Antarctica, a discovery that led to the Montreal Protocol decreasing the use of chloro-fluoro-carbons. This compound absorbs ultraviolet light in a layer in the stratosphere. Name this three-atom allotrope of oxygen.

Answer: ozone [or tri-oxi-di-ene or (catena-)trioxygen; do not prompt on “oxygen”]

4. This musician performed on *Jazz at Massey Hall* playing a plastic Grafton instrument. This musician’s trademark version of the blues consists of a series of ii-V [“two-five”] chord progressions and was used to write his standards “Confirmation” and “Blues for Alice”. This musician’s contra-facts based on older jazz standards include his songs “Donna Lee” and “Ko-Ko”. This musician is best known for leading other musicians in the development of the bebop style. New York City and Kansas City both have annual festivals named for this person. Name this jazz saxophonist who wrote “Ornithology” and who was nicknamed “Bird”.

Answer: (Charles) “Charlie” Parker (Jr.)

5. This person is credited with ending the Warlord Era by conquering rural areas and expelling Soviet advisors in an operation called the Northern Expedition. This person promoted the New Life Movement while chairman of the National Government of China. While captured by subordinates in Xi'an [shee-ahn] in 1936, this person agreed to a united Chinese front against Japan. He began the so called "White Terror" while in exile, which enforced martial law and suppressed those he deemed in opposition to the Kuomintang [kwoh-min-tahng]. Name this nationalist Chinese leader who ruled the Republic of China from Taiwan after losing to Mao Zedong in 1949.

Answer: Chiang Kai-shek [j'yahng ky-SHEK] [or Jiang Jieshi or Jiang Zhongzheng; prompt on Kai-shek or Jieshi or Zhongzheng]

Check the score.

6. The northeast end of this lake is near the Frontenac Islands and the Thousand Islands. This lake's Black River Bay is located near where George Prévost and James Lucas Yeo were repelled by American forces at the Battle of Sackett's Harbor. This lake's west end is called the Golden Horseshoe; nearby are the cities of Oshawa and Hamilton, the latter of which is home to McMaster University. This lake is just north of Niagara Falls and the cities of Rochester and Syracuse. Name this lake that forms much of the northwest border of New York and much of the southern border of the Canadian province that shares its name.

Answer: Lake Ontario

7. The sequence of Euler [OY-lur] numbers are sometimes called zig numbers or named for this function because this function's Maclaurin series uses Euler numbers such as 1, 5, and 61. The inverse of this function is typically given a range from 0 to π ["pi"], inclusive, except for $\pi/2$ ["pi over 2"]. This function's derivative is this function times the tangent function. This trig function's graph has a local minimum at its y -intercept, which is $y = 1$. Name this trig function that can be defined in a right triangle as "hypotenuse over adjacent", making it the reciprocal of the cosine function.

Answer: secant [accept answers that additionally mention a variable; do not accept or prompt on "cosecant"]

8. When the fictional character Dove arrived in this city, he saw a man cutting heads off of turtles. This city, which is not Chicago, was the setting of Nelson Algren's *A Walk on the Wild Side*. The fictional New Yorker Myrna Minkoff attended college in this city, where she developed a friendship with Ignatius J. Reilly. Another fictional family from this city lived in a double cottage on Esplanade [ess-pluh-NAYD] Street and spent their vacations at a resort on Grand Isle. In that novel, Alcée Arobin [al-say ar-oe-bah] has an affair with Edna Pontellier [pone-tul-yay]. Name this large city in which are set John Kennedy Toole's *A Confederacy of Dunces* and some of Kate Chopin's [show-pan'z] *The Awakening*.

Answer: New Orleans, Louisiana

9. A painting by this artist has dark blue streaks emerging from a center vertical black stripe and, via the red stripes on the left and right, was intended to resemble the American flag. A ponderosa pine tree is depicted from near its base in this artist's *The Lawrence Tree*. Rolling hills are behind an intensely close black cross in a painting this artist made in New Mexico. Retrospectives of this artist often include the intimate photographs taken by her spouse, Alfred Stieglitz [STEEG-lits]. Name this American painter known for depictions of animal skulls and magnified flowers.

Answer: Georgia (Totto) O'Keeffe

10. A series of rebellions during this war were supported by Bishop John Morton, who was held at Brecon [BREK-un] Castle and was able to coordinate with Margaret Beaufort and Elizabeth Woodville. That failed attempt to overthrow the king near the end of this war is now called Buckingham's Rebellion, and took place shortly after the death of Edward IV, who was victorious in this war's Battle of Tewkesbury [TOOKS-bur-ee]. This war ended soon after the Battle of Bosworth Field, when Henry VII [7] married Richard III's niece, Elizabeth of York. Name this 15th-century English war between the Houses of Lancaster and York, and named for their floral symbols.

Answer: War(s) of the Roses

Check the score.

11. There is a global vault for these things in the Svalbard archipelago [ahr-kuh-PEH-luh-go] in Norway. Imbibition [im-buh-BISH-un], which is crucial to the development of these structures, is the intake of water after dehydration causes the testa to form. The hypocotyl ["HYPE-oh"-kah-til] and radicle ["radical"] emerge from this structure. If there is a high concentration of abscisic acid in these structures, they will not germinate. Burrs and sweet fruits help animals disperse these structures. Humans derive coconut meat and wheat flour from these structures. Name these structures that consist of a plant embryo surrounded by a protective coat.

Answer: seeds [or seedlings]

12. While in Greece, the Irishman Darley talks about his time in this country in a novel named for his lover *Justine* and written by Lawrence Durrell, the first novel in a tetralogy named for a major city in this country. The death of a leader of this country inspire the words "Now boast thee, death, in thy possession lies a lass unparalleled", spoken by Charmion in a play. Fahmy protests British rule in this country in the novel *Palace Walk*, and another novel by the same author is set in an alley and contains allegories for Adam, Moses, Jesus, and Muhammad. Name this primary setting of *Children of Gebelawi* by Naguib Mahfouz [nah-GEEB mah-FOOZ] and William Shakespeare's *Antony and Cleopatra*.

Answer: Egypt [accept longer answers that contain Egypt]

13. One company in this sector is run by Mario Schlosser and named after Jared Kushner's great-grandfather Oscar. A lawsuit that was supported by 18 state attorneys general and two governors, led by attorney general Ken Paxton of Texas, would end many restrictions on these companies. The Trump Administration temporarily froze payments to these companies in July while adjusting the risk-adjustment program. Some of the largest companies in this sector are Anthem, Cigna [SIG-nuh], and Humana [hyoo-MAN-uh]. Name these companies that were barred from discriminating on the basis of pre-existing conditions by the Affordable Care Act.

Answer: health insurance companies or health insurers [or medical insurance companies; prompt on insurance or healthcare]

14. This country's monarch Andrew II was forced to sign a document, comparable to England's Magna Carta, granting rights to this country's nobility in the Golden Bull of 1222. According to legend, Pope Sylvester II made this country's golden crown on Christmas Day in the year 1000, and in reality the U.S. stored the crown at Fort Knox for part of the 20th century. The crown was originally given to the son of Géza ["GAZE-uh"], who first ruled this country as part of the Árpád ["ARE-pod"] dynasty. Name this country, once lead by Saint Stephen, that was part of the Dual Monarchy with Austria and is home to the Magyar people.

Answer: Hungary [or Magyarország]

15. This composer wrote two versions of a cadenza [kuh-DEN-zah] for one of his concertos, one of which is referred to as the "ossia" [oh-SEE-ah] cadenza. Ottorino Respighi ["oat-toe"-REE-noh res-PEEG-ee] orchestrated a set of pieces by this composer and gave them titles such as "The Sea and the Seagulls"; that set of pieces were from this composer's *Études-tableaux* [ay-toodz tab-loh]. This composer wrote a symphonic poem based on Arnold Böcklin's painting *Isle of the Dead*, and wrote a set of 24 variations on another composer's 24th Caprice [kuh-PREES] for violin. Name this Russian composer of four piano concertos and the *Rhapsody on a Theme of Paganini*.

Answer: Sergei (Vasilyevich) Rachmaninoff

Check the score.

16. Nessler's reagent turns yellow in the presence of this compound. The first commercial refrigerators used this compound as a coolant, and this compound is combined with hydrogen and water in many absorption refrigerators. This compound is combined with bleach to create a compound used both as a rocket fuel and a gas precursor in air bags: hydrazine ["HIDE"-ruh-zeen]. In the liver, the urea [yur-EE-uh] cycle turns this compound into urea. The Ostwald process turns this compound into nitric acid, often after this compound is made from two gases in the Haber-Bosch [HAH-bur bahsh] process. Name this compound that has a pungent odor and the formula NH_3 .

Answer: ammonia [accept NH_3 before the end]

17. When a well-known writer lost his son during this war, he wrote a poem about trying to find out what happened, called “My Boy Jack”. One poem about this war ends with the Bishop saying “The ways of God are strange!”. In that poem, the Bishop talks about this war being a just cause, while the soldiers talk about their injuries. This war inspired the poem “They” by Siegfried Sassoon and works by Rudyard Kipling, and also inspired a poet to write a work saying that a phrase from Horace meaning “How sweet and honourable it is to die for one’s country” is a lie. Name this war that led Wilfred Owen to write “Dulce et Decorum Est” [DUL-kay et day-KOR-um est].

Answer: World War I [accept WW I; prompt on The Great War]

18. One of the powerful priests of this religion was Kartir, who advised several Sassanid [suh-SAH-nid] emperors. This religion’s holy book describes the exploits of the legendary Kayanian [kah-YAH-nee-un] dynasty, which included this religion’s first royal supporter, King Vishtasp. Many adherents of this religion were poorly treated by Muslims, so they moved to India, where they are called Parsi. This religion started when its founder had a vision of Vohu Manah, who taught *asha*, or truth. That vision probably occurred in what is now Iran. Name this religion that worships Ahura Mazda, who may be the first monotheistic god.

Answer: Zoroastrianism

19. This person was very critical of Ward Hunt, saying “My natural rights, my civil rights, my political rights, my judicial rights, are all alike ignored.” Much earlier, this person tried to give a speech at a Sons of Temperance meeting but was told to “listen and learn.” Carrie Chapman Catt succeeded this person as the president of an organization formed by a merger that this person oversaw. This person was on trial before Justice Ward Hunt in a case depending on whether the Fourteenth Amendment gave everyone the right to vote, which would override New York law. Name this person who worked with Elizabeth Cady Stanton to form the National Woman Suffrage Association.

Answer: Susan B(rownell) Anthony

20. This person’s formulation of gravity can be written as the divergence of gravitational field strength equals -4π [“negative 4 pi”] times mass density times the universal gravitational constant. A unit equal to one maxwell per square centimeter is named for this person and is used in the CGS system to measure magnetic flux density. A law named for this person states that the divergence of a magnetic field is zero, meaning that magnetic monopoles do not exist. When using another law named for this person, you often consider imaginary closed surfaces and use a surface integral to calculate the flux through them. Name this German scientist and mathematician who developed two of Maxwell’s equations.

Answer: Carl Friedrich Gauss [rhymes with “house”]

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. This author wrote about a Jewish woman named Denise Gondelman providing a challenge for her lover, an amateur bullfighter living in New York City, in a story about Sergius O'Shaughnessy called "The Time of Her Time". Ralph Ellison and James Baldwin criticized this writer's 1957 essay on hipsters, "The White Negro". In a novel by this writer, the marriage between Margaret and General Edward Cummings is unhappy, perhaps due to the General's homosexuality. In that novel, Hennessey, Lieutenant Robert Hearn, and a man named Woodrow Wilson are killed by the Japanese during World War II. Name this author of *The Naked and the Dead*.

Answer: Norman (Kingsley) Mailer

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

^{TB}22. The prelude to an opera by this composer consists of a 136-bar E-flat major chord begun in the double basses that has been described as "drone music". The prelude to another opera by this composer begins with the cellos playing the notes short-A long-high-F short-E, leading to an F, B, D-sharp, G-sharp chord whose dissonance led to that chord being named for that opera. This composer helped construct a theater in Bayreuth [**by**-ROYT] where a yearly festival presents productions of his operas. A character tastes dragon blood and can hear birdsong in an opera cycle by this composer that begins with *Das Rheingold*. Name this composer of the *Ring Cycle*, whose second entry is *The Valkyrie*.

Answer: (Wilhelm) Richard Wagner [**reek-hart VAHG-ner**]

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

^{TB}23. A major river system on this continent contains the Tocantins [**toke-uh-cheese**] and Araguaia [**ar-ah-GWY-ah**] Rivers. Lake Titicaca is on this continent, as are the cities of Bogotá, Lima, and Rio de Janeiro. Name this continent that contains Suriname [**SUR-ih-nahm**], Uruguay, and Brazil.

Answer: South America

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.