

Scobol Solo 2018

Packet 5 (Round 5)



1. A piece by this composer opens with a violin playing the ascending eighth notes G, B-flat, E-flat, G, and E-flat, then down to B-flat. A piece by this composer entitled “Spring Song” is sometimes called “Camberwell Green”. This composer’s fourth symphony ends with a fourth-movement *Saltarello* [sal-tah-REL-loh] and is nicknamed “Italian”. This composer wrote a set of pieces that included many “Venetian Boat Songs”. A piece by this composer is sometimes called “Fingal’s Cave”. This composer wrote the *Songs Without Words* and the *Hebrides* overture. Name this composer who wrote a wedding march for his incidental music to *A Midsummer Night’s Dream*.

Answer: (Jakob Ludwig) Felix Mendelssohn (Bartholdy)

2. This national leader gave political representation to six categories of urban inhabitants in the Charter of the Towns, which was released with the Charter to the Gentry. The report “Statute for the Education of the Youth of Both Sexes” led this leader to create Institutes for Noble Maidens such as the Smolny Institute. After the death of King Augustus III, this person helped Stanislaw Poniatowski [poh-nee-ah-TAWFF-skee] become the king of Poland. To impress this leader, fake villages were built by Grigori Potemkin. Name this destroyer of Pugachev’s [poo-guch-yawff’s] Rebellion, who was believed to be a lover of Poniatowski and Potemkin, and who was an 18th century Russian tsarina.

Answer: Catherine the Great [or Catherine II or Yekaterina Alekseyevna; prompt on Catherine or Yekaterina]

3. In one novel by this author, the writings of the Hermetic Magi of the Renaissance are used for the dialogue between Magus and Adept. That novel centers on the 16th-century Spanish king Felipe II and his desire to build El Escorial. This author wrote a novel that states “The line of life lies between paralysis and frenzy.” The main character of that novel is married to Catalina, who was wealthy. In that novel, this author described an old man remembering his corrupt politics and his role in the Mexican Revolution. Name this author of *Terra Nostra* and *The Death of Artemio Cruz*.

Answer: Carlos Fuentes (Macías) [prompt on Macías]

4. When this operation is applied to the natural log of the gamma function, the result is the di-gamma function. If this operation repeatedly generates continuous functions, then the original function is called smooth. Repeatedly applying this operation to a function at zero, multiplying by powers of x , and dividing by factorials generates the terms of a Maclaurin series. The chain rule explains how to do this operation on a composite function. Applying this operation to x^n [*“x to the nth power”*] gives nx^{n-1} [*“n x to the n-minus-first power”*]. Name this operation used to find the slope of a line tangent to a function’s graph.

Answer: differentiation [or differentiating; accept taking (or finding) the (first) derivative; do not accept or prompt on “derive” or “deriving”]

5. The south part of this country has a town noted for its camel market and colorful beads that are actually manufactured in Europe. That town is Guelmim [gel-meem]. There are several theories as to why the walls are painted blue in this country’s city of Chefchaouen [shaf-shao-en], which is near the Rif [reef] Mountains. The four cities that have been the capital of this country are called its imperial cities; one such city is Meknes, which contains Bab al-Mansour. In the north part of this country, the Caves of Hercules are near Tangier [tan-zheer]. A cylindrical head covering made of felt is named for the city of Fez in this country. Name this home of the Berber people that contains the cities of Casablanca and Rabat.

Answer: (Kingdom of) Morocco [or al-Mamlakah al-Maghribiyah]

Check the score.

6. This U.S. president’s initial message to Congress included plans for a national university and national observatory. Some of his plans that were undertaken included construction of the Chesapeake and Ohio Canal. Earlier, this person headed the U.S. delegation that negotiated the Treaty of Ghent to end the War of 1812. While serving as Secretary of State, this person obtained Florida from Spain and formulated the Monroe Doctrine. As president, this person selected Henry Clay as Secretary of State, leading to charges of a “corrupt bargain”. Name this sixth U.S. president, who was the son of the second president.

Answer: John Quincy Adams [prompt on Adams; do not accept or prompt on John Adams]

7. In one novel by this writer, Stanton Mick turns out to be a bomb that appears to kill the leader of a prudence organization, and the half-lifer Ella Runciter receives messages from her dead husband, Glen Runciter. Another novel by this author features a friendship between John Isidore and Pris Stratton, the latter of whom is not human and is killed by the bounty hunter Rick Deckard. In a short story by this author, John Anderton heads the Pre-crime Division, which uses pre-cogs to predict the future. Name this author of *Ubik*, *Do Androids Dream of Electric Sheep?*, and “The Minority Report”.

Answer: Philip K(indred) Dick

8. Plants involved in this phenomenon, such as the giant flower *Rafflesia* [ruh-FLEE-zhee-uh], have a haustorium [haw-STOR-ee-um]. Smooth holes in the lower jaw of the dinosaur Sue are evidence that tyrannosaurs were affected by this phenomenon. European cuckoo chicks are raised via the brood form of this phenomenon. Male anglerfish are obligated to take part in this phenomenon when they attach themselves to females. When caterpillars attack plants, the plants release chemicals to attract the wasp named for this phenomenon. *Plasmodium*, lice, and tapeworms exhibit this phenomenon with respect to humans. Name this symbiotic [sim-by-AH-tik] interaction in which one organism benefits while another is harmed but usually not killed.

Answer: parasitism [or parasites or being parasitic; prompt on symbiosis or a symbiotic relationship]

9. Jeff Wall's photograph *Picture for Women* imitates a painting by this artist, with light bulbs reflected in a wall-length mirror. Victorine Meurent [mair-awn] is thought to have modeled for a painting by this artist in which a woman in the background, dressed in transparent white, bathes in a stream. This artist painted a woman in front of a bowl of oranges in *A Bar at the Folies-Bergère* [foh-lee bair-zhair]. A painting by this artist was controversial for showing two clothed men sitting at a picnic with a nude woman. Name this painter of *The Luncheon on the Grass*.

Answer: Édouard Manet [ayd-war man-ay]

10. The riddle of what Odin ["ODE-in"] whispered in this god's ear was used to defeat the giant Vafthrudnir [vaf-THROOD-"near"]. After this god died, Hyrrokkin ["HERO-kin"] pushed his funeral pyre to sea, causing a fire and an earthquake. Skadi's [SKAH-dee'z] attempt to choose this god as her husband solely by looking at various feet resulted in her choosing Njordr [n'YORD-ur]. Only one giantess refused to weep for this god, causing this god to stay in Hel. Every object on earth vowed not to hurt this god except mistletoe, which Loki [LOH-kee] used to trick Hodur into killing him. Name this most beautiful Norse god, the son of Frigg and Odin.

Answer: Baldr

Check the score.

11. An early democratic response to this event was led by Jules Brunet [zhool broo-nay] and called the Republic of Ezo. The motto of this event was a two-word phrase that means "Rich Country, Strong Army". This event led to the end of the *han* system governing land ownership. A military victory over Russia 37 years after this event was used to vindicate it. Rudolf von Gneist helped write a constitution during this period, which began with the publishing of the Charter Oath. This event was partly precipitated by an American fleet under Matthew Perry. Name this reform movement in Japan that returned power to the emperor.

Answer: Meiji Restoration [accept Meiji Ishin or Meiji Renovation or Meiji Revolution or Meiji Reform or Meiji Renewal]

12. Naveed Khan discovered one of this class of drugs using crushed cockroach brains. Panda blood contains cathelicidin [kath-uh-LIS-uh-din] A.M., which can be used as this type of drug. Some drugs in this class have four hydrocarbon rings, are called tetracyclines [teh-truh-SIE-kleens], and are used to treat some skin conditions, Rickettsia [rih-KET-see-uh], and chlamydia [kluh-MID-ee-uh]. Some other medicines of this type contain beta-lactam rings, such as cephalosporins [sef-uh-loh-SPOR-inz]. The first drug of this type to be discovered was penicillin. There are some efforts to get doctors to use these medicines less because they become less effective as the organisms they target develop resistance. Name these drugs that target bacteria.

Answer: antibiotics [prompt on antibacterials]

13. In one poem, this person wrote “They had to . . . pick the worms off me like sticky pearls.” Earlier in the same poem, this writer stated “And I a smiling woman. I am only thirty” and wrote that of her “nine times to die,” “this is number three.” In another poem, this author wrote “If I’ve killed one man, I’ve killed two.” She ends that poem by telling the person it is addressed to “you bastard, I’m through.” In that poem, this person states, “I think I may well be a Jew” and tells a family member, “I thought every German was you.” Name this author of “Lady Lazarus” and “Daddy”.

Answer: Sylvia Plath

14. An August 2018 letter from this person begins with the quote “If one member suffers, all suffer together with it.” Earlier that month, this person approved a text that states “The death penalty is inadmissible because it is an attack on the inviolability and dignity of the person.” This person accepted the resignations of Philip Wilson and Theodore McCarrick, the latter of whom was criticized for a scandal in Pennsylvania. Following that scandal, this person met with victims of sexual abuse. Name this person who spent much of his career in Argentina and is the leader of the Catholic Church.

Answer: Pope Francis [or Jorge Mario Bergoglio; prompt on the Pope]

15. This person was injured in an attack that Charles Stewart described in a letter to Dionisio Martínez de la Vega [dee-oh-NEE-see-oh mar-TEEN-ez day lah VEG-ah], who was the governor of Havana. This East India Company captain was in charge of the *Rebecca*, which was overtaken by the *San Antonio* captained by Juan León Fandiño [wahn leh-OHN fan-DEEN-yoh]. That attack took place in 1731, and many accounts of it include a message this person was supposed to deliver to King George II. Seven years later, this person described the incident to the House of Commons, and his story was used to build hostility towards Spain during the War of the Austrian Succession. Name this Welsh mariner whose ear was cut off.

Answer: Robert Jenkins

Check the score.

16. The force on a body in an unsteady flow is determined by the Morrison equation, which has a drag term and a term based on this concept. A type of guidance system named for this concept use gyroscopes and accelerometers [ak-sel-uh-RAH-mih-turz]. The Coriolis effect causes air masses to move in “circles” named for this concept. Special relativity focuses on reference frames that are not accelerating and are named for this concept. This concept is the tendency of objects to maintain their state of motion and is measured by mass. Newton’s first law is also called the “law of” what concept?

Answer: inertia [accept inertial term or inertial navigation system or inertial circles or inertial reference frames or inertial frames of reference or the law of inertia]

17. This character states “When sorrows come, they come not single spies, but in battalions.” Soon after that, this character hears a loud noise from a populist uprising headed by a man intent on avenging that man’s father’s death. This character concocts a plan involving a fencing match with a poisoned foil; the plan goes horribly, leading to the death of this character, his wife, and his stepson, and allowing Fortinbras to increase his power. Name this king who gained power by murdering his brother and who is the husband of Gertrude in William Shakespeare’s *Hamlet*.

Answer: (King) Claudius

18. A film by this director is known for its soundtrack, written by Anton Karas, which only uses the zither. That film has a scene on a Ferris wheel in which one character says that peace in Switzerland only managed to produce the cuckoo clock. Holly Martins tries to find Harry Lime in Vienna in this director’s film *The Third Man*. This man directed a film whose cinematographic [sin-uh-MAT-oh-“graphic”] innovations included extensive use of deep focus. That film by this director opens with a scene at a mansion in Xanadu [ZAN-uh-doo] in which a man drops a snow globe and whispers “Rosebud”. Name this director and star of *Citizen Kane*.

Answer: (George) Orson Welles

19. Simon Baron-Cohen has theorized that this disorder can be caused by delta-4 sex steroid hormones, has explained it in terms of “mind-blindness”, and helped develop a test for this disorder involving puppets moving a marble. The “refrigerator mother” theory of this disorder has been discredited. People with this disorder sometimes demonstrate repetitive behaviors such as twirling or hand-flapping. People with this disorder but no language delays can be classified as having Asperger syndrome. *The Lancet* retracted a fraudulent article in which Andrew Wakefield blamed this disorder on the MMR vaccine. Name this neuro-psychological disorder characterized by social difficulties.

Answer: autism spectrum disorders [prompt on (the) spectrum; prompt on Asperger’s syndrome]

20. An ancient form of this substance developed in India may have derived strength from carbon nano-tubes and hardness from cement-ite, and was called “Wootz”. Some products made of this material have a Specified Minimum Yield Strength. The Siemens-Martin [SEE-menz MAR-tin] process uses an open hearth furnace to make this substance. This substance is made by using blasts of air to remove impurities from molten pig iron in the Bessemer process. Incorporating chromium in this substance makes it “stainless”. Name this alloy of iron and carbon found in Damascus swords, car bodies, and skyscrapers.

Answer: steel [accept Damascus steel before “Yield”]

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. In a play by this writer, the protagonist points out that Mr. and Mrs. Croaker “are yet a little opposite in their dispositions, you know.” That protagonist, who is often taken advantage of, is Mr. Honeywood. In another play by this writer, the observation “what will repair beauty at forty, will certainly improve it at twenty” is made by a character who speaks about jewels her uncle left her, Constance Neville. In that play, this author wrote about a woman trying to impress Charles Marlow by pretending to be a maid. In a novel by this writer, George’s marriage to Arabella Wilmot is cancelled when George’s father, Dr. Charles Primrose, loses his fortune. Name this author of *The Good-Natur’d Man*, *She Stoops to Conquer*, and *The Vicar of Wakefield*.

Answer: Oliver Goldsmith

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

- ^{TB}22. This religion’s tractate “Pe’ah” [PAY-ah] instructs people not to reap harvests from the corners of their land, and appears in a text compiled in the third century CE, when members of this religion were worried that their oral tradition would be lost, so they wrote down the Mishnah. The Mishnah and the Gemara combine to form this religion’s Talmud [TAHL-mood]. This religion’s bible is divided into three parts, of which the second—Nevi’im [nev-ee-EEM], or “Prophets”—contains the stories of people like Obadiah [oh-bah-“DIE”-uh], Samuel, and Isaiah [“eye”-ZAY-ah]. Name this religion whose bible’s first five books are the Torah.

Answer: Judaism or Jewish

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 Murray and Darling Rivers. Lake Eyre [“air”] is on this continent, as are the cities of Wollongong, Perth, and Sydney. Name this continent that is also a country.

Answer: Australia

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.