

Scobol Solo 2015

Packet 3 (Round 3)



1. This painting has three oarsmen, two of whom sit with their backs towards the viewer, and a man in a striped shirt sits behind them. A man wearing a light red scarf and fancy clothes stands near the center of this painting, holding a rope that goes out into the water. That man may have been a slave. One man in this painting holds onto the shirt of one of the two men leaning over the side of the boat. This painting is based on a 1749 event that took place in Havana harbor. The lower part of the right leg of the man in the water cannot be seen, and another man is aiming a long spear at an animal in the water. Name this John Singleton Copley painting.

Answer: Watson and the Shark

2. This person is told by his wife “Have thou nothing to do with that righteous man; for I have suffered many things this day in a dream because of him.” This person washed his hands in front of a crowd, saying “I am innocent of the blood of this righteous man; see ye to it.” This character is the source of the phrase “ecce [EH-kay] homo”, which is Latin for “behold the man.” Joseph of Arimathea [AIR-uh-mith-EE-uh] requested the body of Jesus from this person after the crucifixion, and this man ordered a guard to watch the tomb after the burial. Name this leader of Judea who gave a crowd a choice of releasing either Barabbas or Jesus.

Answer: Pontius Pilate [PAHN-shuss “pilot”] [accept either; accept Pilatus]

3. The orex·inergic [or-EK-sih-NUR-jik] nucleus in this structure produces a compound that combats symptoms of narcolepsy. The arcuate [“ARK-you-ate”] nucleus in this organ causes hormone releases into the portal system. This structure produces a hormone which promotes water re-absorption in the kidneys and another which initiates the “let-down response.” Its para·ventricular [PAIR-uh-ven-TRIK-yoo-lur] nucleus produces oxytocin [“oxy”-TOH-sin]. Via the pituitary [pih-TOO-ih-tair-ee] gland, this region connects the nervous and endocrine systems. Name this homeo·static part of the brain, located below the thalamus.

Answer: hypothalamus [do not accept or prompt on “thalamus”]

4. Didymus [DID-ee-muss] the grammarian controversially claimed that this person was the son of Euphorion [yoo-FOR-ee-ahn]. This person wrote a poem that inspired a fight against Megara for Salamis [SAL-uh-miss]. According to legend, this person told Croesus [KREE-sus] that wealth is fickle. This person enacted Seisachtheia [say-SAK-thee-uh], or the shaking off of burdens, which relieved debt in order to free people from serfdom. He also weakened the control by the nobility, creating a Council of Four Hundred and giving more power to the wealthy. Historians believe that this person was allowed to reform the government years after serving as an archon [“ARK-on”]. Name this person who reformed the law code of Draco [DRAY-koe] in ancient Athens.

Answer: Solon

5. The second movement of this symphony, an adagio [ah-DAH-joh], starts out moving from A major to B minor, but it moves to D major instead. Unusually for the classical period, the first movement of this symphony moves from F sharp minor to C sharp minor. This symphony was composed in part to send a message to Prince Nikolaus Esterházy, who kept the composer and musicians at his Eszterháza summer palace in Hungary until this piece was performed. This piece ends with two musicians, and during its first performance each musician blew out a candle and left the stage when his part was done. Name this 45th symphony by Joseph Haydn.

Answer: Farewell Symphony [accept Haydn’s Symphony Number 45 or similar answers containing both underlined portions before “45th”]

Check the score.

6. The protagonist of this novel goes through the wallet of Gerard Duval after killing him, thinking that he will write a letter to Duval’s wife. Another character in this novel reluctantly enlists in the army and then gets hit in the eye during an attack. That character, who gets killed while calling for help in this novel, is Joseph Behm. Another character in this novel, who proposes that declarations of war should be treated like bullfights—with the ministers and generals of opposing countries fighting with clubs—is Albert Kropp. Many characters in this novel are trained by Corporal Himmelstoss after being taught by Kantorek. Name this novel about Paul Bäumer [BOY-mur] set during World War I, by Erich Maria Remarque.

Answer: All Quiet on the Western Front [or Im Westen nichts Neues]

7. In 2015, the Chief of the Cabinet of Ministers of this country was accused of masterminding a triple murder that took place in 2008. This country’s Republican Proposal, Radical Civic Union, and Civic Coalition Parties formed a coalition called Cambiemos [kahm-bee-AY-mohss] in 2015 that supported Mauricio Macri [maw-REE-see-oh MAHK-ree]. Macri defeated Daniel Scioli into this country’s first ever run-off election, and in December he succeeded President Cristina Fernández de Kirchner. This country was the home of Jorge Mario Bergoglio [HOR-hay MAR-ee-oh bair-GOHL-yoh], who is now known as Pope Francis. Name this country whose capital is Buenos Aires.

Answer: Argentina

8. Calculations of the Student's t -distribution are made by multiplying by the square root of the number of measurements and dividing by the estimator of this quantity. Chebyshev's [CHIB-bih-shef'z] inequality bounds distance from the mean in terms of multiples of this quantity. One formula for calculating this quantity takes the square root of the quantity probability of success times the probability of failure times the number of values. The z -score is calculated by dividing by this quantity after subtracting the mean. This quantity is found by taking the square root of the sum of the squares of the distances from the mean, divided by the number of values. Name this quantity used to measure spread, equal to the square root of variance.

Answer: standard deviation [prompt on sigma]

9. This person divided up the Ottoman Empire, causing a period known as the Ottoman Interregnum, after he defeated Bayezid I ["BUY"-uh-zed "the first"] at the Battle of Ankara. This person died while heading to war against the Ming Dynasty. He initially shared power with his brother-in-law Amir Husayn before having him assassinated. Similarly, this man supported Mongol Golden Horde leader Tokhtamysh ["toke"-tuh-MISH] before going to war against him. This leader's capital, located in what is now Uzbekistan but was then called Trans-ox-i-an-a, was Samarkand. Name this 14th-century Turkic leader known for his brutal conquests of much of Asia and beyond.

Answer: Timur or Tamerlane

10. This concept is the subject of a poem which rhymes the words "thee," "me", "bee", and "delivery" interspersed with the rhyming of the words "so", "overthrow", "flow", and "go". That poem says of this concept, "soonest our best men with thee do go." This concept is also told "one short sleep past, we wake eternally." This concept is called the "slave to Fate, Chance, kings, and desperate men" in a poem that says that it "shall be no more" and ends by saying "thou shalt die." The poem, officially called "Holy Sonnet Ten", says "some have called thee Mighty and dreadful." Name this concept that is told by John Donne to "be not proud."

Answer: death

Check the score.

11. This city contains the headquarters of U-Haul and Best Western. This city includes most of Papago [PAP-uh-goh] Park, including its Hole-in-the-Rock. Its mountain preserve is the home of Piestewa ["pie"-ESS-tuh-wah] Peak, and this city also contains Camelback Mountain. It is expected to soon surpass Philadelphia to become the fifth-most-populous U.S. city. At the southwestern end of this city, the Salt River feeds the Gila [HEE-luh] River, about 70 miles west of the Theodore Roosevelt Dam. Though the Sonoran Desert is to its southwest, this city is otherwise surrounded by Glendale, Mesa, Scottsdale, and Tempe. Name this city, the capital of Arizona.

Answer: Phoenix, Arizona

12. This substance is the namesake of a transition between a rubbery and brittle state which can be seen in some polymers. One type of this substance is a combination of alumina and germanium oxide. Containers made of this substance are commonly cleaned using acetone [“ASS-uh-tone”]. This substance, which is formed via vitrification, is etched using hydro-fluor-ic acid. Boron tri-oxide is used to make a type of this substance which does not expand much when heated. The most commonly used type of this substance is its “soda-lime” variety. Name this transparent amorphous material that can be formed from heating the silica in sand.

Answer: glass

13. This person donated land that became a home for the aged in Auburn, New York. Sarah Hopkins Bradford conducted lengthy interviews of this person to write her biography. This woman provided intelligence to James Montgomery during his successful raid at Combahee Ferry. She was born with the name Araminta Ross in Dorchester County, Maryland, and received a nickname from William Lloyd Garrison. This person went to Canada to recruit people to help John Brown raid Harper’s Ferry, and she made 19 trips into the South after she escaped, helping 300 slaves gain their freedom. Name this conductor on the Underground Railroad who was nicknamed “Moses”.

Answer: Harriet Tubman [accept Araminta Ross before “Araminta”]

14. In one novel by this author, Lilia Herriton moves to Italy and marries Gino. In another novel by this author, Leonard Bast unsuccessfully tries to increase his standing by quitting his job as an insurance clerk, and impregnates Helen. That novel by this author is named for the estate that Ruth Wilcox tries to will to Helen’s sister Margaret Schlegel [SHLAY-gul]. This author also wrote a novel whose main character decides to marry Ronny Heaslop after being in a car accident with him. That character, who travels with Heaslop’s mother Mrs. Moore, is Adela Quested. Name this author who wrote *Where Angels Fear to Tread*, *Howards End*, and *A Passage to India*.

Answer: E(dward) M(organ) Forster

15. This person wrote “The mind will ever be unstable that has only prejudices to rest on” and “Fondness is a poor substitute for friendship” in the chapter “The Prevailing Opinion of a Sexual Character Discussed”. This writer complained about the folly of women, stating that writers have made women “objects of pity, bordering on contempt”. Posthumously, this writer’s reputation was harmed by a set of memoirs written by her husband. This writer’s best known book was developed from a pamphlet she wrote in response to *Reflections on the Revolution in France* by Edmund Burke. Name this advocate for the education of girls who wrote *A Vindication of the Rights of Woman*.

Answer: Mary Wollstonecraft [accept Mary Wollstonecraft Godwin; do not accept answers that contain “Shelley”]

Check the score.

16. The seismic type of this quantity is calculated by multiplying shear modulus times area times displacement, and it is used to calculate the energy of an earthquake. The bending type of this quantity is equivalent to the torque acting on a beam. This quantity is divided by mass to calculate the center of mass of an object. In general, this term refers to the product of position and some other quantity. Multiplying charge by displacement gives the electric dipole ["DIE-pole"] type of this quantity. Mass is multiplied by distance squared from an axis to calculate a commonly used type of this quantity that is represented by a capital *I*. Name this type of quantity whose inertial type is the rotational analog of mass.

Answer: moment [accept longer answers such as moment of inertia]

17. This person tended to put his works representing fish onto round surfaces that were sometimes mirrored. This artist created abstract portraits of Agnes Meyer, Nancy Cunard, and Eileen Lane. His *Madame L.R.*, which is shaped similarly to a totem pole, is believed to represent Léonie Ricou [lay-oh-nee ree-koo]. His portrayal of Marie Bonaparte is called *Princess X*. Baroness Renée-Irana Franchon [fran-shaw] was the model for a head first made of marble and then cast in bronze by this artist. That head, which has its eyes closed and lies on its side, is *Sleeping Muse*. Name this Romanian sculptor who showed the flight of an animal in his *Bird in Space*.

Answer: Constantin Brâncuși

18. In this play, one character tells a joke about a rooster chasing a hen until he sees corn. One character in this play complains that another character has a solid gold dress and fox fur pieces. In this play, the owner of those clothes fantasizes about dying on the sea by eating an unwashed grape. This play ends with Steve calling for a game of seven-card stud. Mitch said he could not host the poker party because his mother is ill. Near the end of this play, a former English teacher says, "I have always depended on the kindness of strangers." Name this play about Stella and Stanley Kowalski being visited in New Orleans by Stella's sister Blanche Dubois [doo-bwah], a work by Tennessee Williams.

Answer: *A Streetcar Named Desire*

19. Near the beginning of this period, Kukai popularized Shingon Buddhism. During this period, Emperor Shir-a-ka-wa officially retired to a monastery but in fact continued to help run the country, a practice known as cloistered rule. This period ended when Mi-na-mo-to no Yor-i-to-mo established the Ka-ma-ku-ra Shogunate. It began when Emperor Kanmu moved the capital to what is now Kyoto but which then shared a name with this period. During this period of Japanese history, *The Pillow Book* and *The Tale of Genji* were both written. Name this last period of Japanese classical history, which ended in the 12th century.

Answer: Heian period [prompt on classical period before "Kanmu"]

20. The “ulp” [like “gulp” without the initial consonant] is the smallest possible distance that a computer can distinguish between two of these things. Kahan’s algorithm reduces error when combining this type of information. Many programming languages support storing this kind of data in “double precision” variables. A radix and a scale are used in floating-point representations of these values, which are internally represented in binary. Name this type of data that computers may store in the *int* data type.

Answer: numbers [accept floating-point numbers and prompt on floats before “floating-point”]

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 rock is chemically equivalent to gabbro and diabase [“DIE”-uh-“base”], which is also called do·le·rite. Those rocks and peridotite [peh-RIH-doe-tite] are the primary components in trap rock. Those rocks can be described by the prefix mafic [MAY-fik] because they are high in magnesium and iron, and they are a major component of the oceanic crust. The Giant’s Causeway is made of columns of this rock, and several ancient Egyptian black statues are made from it. This rock has less silica than granite, another common igneous rock. Name this rock, commonly formed from magma, that is low in viscosity and which is often formed after volcanic eruptions.

Answer: basalt [buh-“SALT”] [prompt on igneous before it is mentioned; accept dolerite before it is mentioned]

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

- ^{TB}22. This composer followed a D-minor *andante* [ahn-DAH-N-tay] second movement by an F-major *presto* in his *Concerto after the Italian taste*, also known as the *Italian Concerto*. One of this composer’s collections of keyboard pieces features his 15 inventions and 15 sin·fo·ni·as. One of his pieces, featuring an aria for harpsichord followed by 30 variations, is often now played on piano. Many of his compositions are contrapuntal, including his Dorian Toccata and Fugue, and the preludes and fugues in *The Well-Tempered Clavier*. His pieces for Christian Ludwig [KREES-tee-ahn LOOT-veek] are the *Brandenburg Concertos*. Name this Baroque composer of the *Goldberg Variations*.

Answer: Johann Sebastian Bach

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

- ^{TB}23. This state’s senators are Bob Menendez and Cory Booker. This state’s governor is Chris Christie. This state is northeast of Delaware. Name this state whose cities include Paterson, Newark, and Trenton.

Answer: New Jersey

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.