

# New Trier Scobol Solo 2013

## Round 3



1. Near the end of this war, William Fenwick Williams surrendered the city of Kars after a five-month-long siege by Nikolay Muravyov. Earlier in this war, Colin Campbell repelled enemy cavalry with his Thin Red Line of infantry. Under a heavy fog during this war, Fyodor Soymonov doomed his forces by leading them the wrong way at the Battle of Inkerman. The Earl of Cardigan's mistakes caused heavy British casualties during the disastrous Charge of the Light Brigade in this war's Battle of Balaclava. Name this 1850s war in which Britain, France, and the Ottoman Empire fought Russia on the namesake Ukrainian peninsula.

Answer: Crimean War

2. Illinois and Mississippi tried to implement two-tier systems for this process in the past, and Arizona and Kansas are setting up two-tier systems in 2013. The Justice Department is suing Texas and North Carolina over new regulations to this process. The Supreme Court case *Shelby County v. Holder* found that a section of a law designed to make this action more common in 1965 was unconstitutional. Many of the controversies surrounding this process concern proofs of identification or residency. Name this process sometimes used to change policies through a referendum and commonly used to select representatives.

Answer: voting [or electing; accept word forms; generously accept logical equivalents]

3. The maximum energy of these things created by a given voltage is given by the Duane-Hunt law. Like electrons, they were discovered using a Crookes tube. Riccardo Giacconi won his Nobel Prize for figuring out how these could be used in astronomy, and Max von Laue won his Nobel Prize for work on the diffraction of these things. These things were used by Rosalind Franklin to make an image of DNA molecules, and these are measured by the Chandra Observatory. This electromagnetic radiation is more energetic than ultraviolet light but less energetic than gamma rays. Name this radiation discovered by Wilhelm Röntgen, used to observe bones.

Answer: X-rays [prompt on photons or electromagnetic radiation or EM radiation]

4. One work by this painter shows a woman with orange hair and a pink dress with her back to a mirror reflecting the balcony of the Paris Opera House. That work, *Woman with a Pearl Necklace in a Loge* [LOHJ], is believed to be one of several showing this painter's sister Lydia. This painter also portrayed a victorious bullfighter with his right arm resting on a wooden rail as he smokes a cigarette. Another work by this artist shows a child resting her left arm on her mother's knee as the mother, wearing a striped outfit, washes the child's feet. Name this American who moved to Paris in 1866 to paint with the impressionists, and who painted *The Child's Bath*.

Answer: Mary (Stevenson) Cassatt

5. The standardized blocks used for construction during this ruler's reign are now called talatats and were smaller than the ones used under his predecessors. He employed the sculptor Bek, and he ordered the destruction of his father's cartouches [kahr-TOO-shuz]. He was succeeded by Smenkhkare [men-kah-ray], who some historians believe was the son of this man's wife Kiya. Thutmose [toot-MOH-suh] sculpted a bust of another one of this man's wives, Nefertiti [NEH-fer-TEE-tee], and it is probable that a different woman bore his son Tutankhamen. Name this Pharaoh, responsible for constructing the city now known as Amarna, who worshiped Aten [AH-ten].

Answer: **Akhenaten** [or **Amenhotep IV** or **Amenophis IV** or **Khuenaten**; prompt on **Amenhotep** or **Amenophis**]

6. One character in this work plays a recording of his son reciting all the state capitals to the main character. The main character in this work has a flashback in the bathroom of Frank's Chop House until he is shaken by the waiter, Stanley. In this play, the protagonist's son struggles to focus on his math class, which he eventually flunks. That son, who later steals a fountain pen from a former employer after failing to promote Happy's "Florida idea", is Biff. This play's protagonist gets fired from the title job, and he commits suicide by crashing his car. Name this Arthur Miller play about Willy Loman.

Answer: ***Death of a Salesman***

7. Some of the small pieces of land in this body of water are the Scarborough Shoal and Macclesfield Bank. Separated by the Palawan islands from the Sulu Sea, this body of water also includes the Spratly, Paracel, and Pratas Islands. This is northeast of the Strait of Malacca, and this body of water is at the northern end of the Karimata Strait, which links it to the Java Sea. Its western arms include the Gulf of Thailand and Gulf of Tonkin. Name this part of the Pacific Ocean that borders Borneo, Vietnam, the Philippines, and the country it takes part of its name from.

Answer: **South China** Sea [prompt on **China** Sea or **Pacific Ocean**]

8. The paper introducing this model used a series of calculations to investigate "the stability and periods of oscillation of a number of corpuscles". Though this model is sometimes named for another scientist, it was developed by Lord Kelvin as an improvement on Alfred Mayer's magnets. This model lost support due to an experiment by Marsden and Geiger. This model was the first to account for the location of negative charge in electrons, but this assumed that positive charge was uniformly distributed instead of in a nucleus. Name this J. J. Thomson atomic model named for food.

Answer: **plum pudding** model [accept **Thomson** model before "Thomson"]

9. In one of this author's works, the protagonist meets Rawdon Lilly after he leaves his wife Lottie. In addition to writing *Aaron's Rod*, he wrote about the relationship between mine owner Gerald Crich and Gudrun Brangwen in a sequel to *The Rainbow*. He also wrote a novel in which Gertrude Coppard marries the alcoholic miner Walter Morel, and their son Paul has an affair with Clara Dawes. This author of *Women in Love* also wrote about a woman whose husband Clifford is paralyzed due to a war injury and who has an affair with gamekeeper Oliver Mellors. Name this author of *Sons and Lovers* and *Lady Chatterley's Lover*.

Answer: D(avid) H(erbert) **Lawrence**

10. The lemma named for this person states that if a prime number divides a product, then it divides a factor of that product. János Bolyai and Nikolai Lobachevsky developed a system that was notable for not following all of this person's rules. A so-called orchard is named for this person because of his algorithm for finding greatest common divisors. A book he wrote states that if a line segment intersects two lines, then the lines meet on the side of the segment where the interior angle sum is less than two right angles, the last of his five postulates. Name this mathematician whose *Elements* was a standard text of geometry.

Answer: **Euclid** of Alexandria

11. The twelfth section of this work quotes a French song about departing for Syria, "Una Voce [VOH-chay] Poco Fa" from Rossini's *Barber of Seville*, and "Twinkle Twinkle Little Star". This piece's finale quotes Tchaikovsky's *Dance of the Little Swans*. A section in this piece in which the glass harmonica is used to make water sounds is followed by a section in which violins make donkey sounds. Xylophones are used in this piece to re-create some of the sounds of its composer's earlier *Danse Macabre*. Name this suite featuring sections such as "Fossils" and "Aquarium", a work by Camille Saint-Saëns [san-sawn].

Answer: *The **Carnival of the Animals*** [or *Le **carnaval des animaux***]

12. C++ allows the overriding of the "virtual" examples of these things. The term "signature" refers to the number and types of arguments to one of them; if two of these have the same name but different signatures, that phenomenon is called "overloading" these. Accessors and mutators are special types of these used to "get" and "set" fields. Special names may be required for the constructor and destructor examples of them, some of which in Java possessed by all classes are called hashCode and toString. Name these functions performed by objects.

Answer: **methods** [accept **virtual methods**; prompt on **functions** or **subroutines**]

13. In one of this author's stories, the author is a missionary who was taken to the House of the Fetish. In another story by this author, Janine returns to a fort without her husband Marcel. That story, "The Adulterous Woman", appears in this author's collection *Exile and the Kingdom*. This author also wrote about a typist who accuses her boyfriend of having a "funeral face". That woman, Marie Cardona, stays at a house owned by Masson. Her boyfriend shows little emotion at his mother's funeral and shoots an Arab. Name this author who wrote about rats dying in Oran in *The Plague* and about Meursault [mair-soh] in *The Stranger*.

Answer: Albert Camus

14. The group that instigated this legal case eventually stated "In defending the cause of liberty, we met with defeat but not with ignominy." That group was the Comité des Citoyens [koh-mee-tay day see-toy-ehn]. The lone dissent to this case, which stated "There is in this country no superior, dominant, ruling class of citizens", was written by John Marshall Harlan. This case started in Louisiana when the plaintiff sat in a certain train car, and was overturned in 1954 by the unanimous decision in *Brown v. Board of Education*. Name this 1896 case that established the doctrine of "separate but equal".

Answer: Plessy v. Ferguson [accept either underlined name; accept answer in either order]

15. This poet asked "from where, to where, on what shore?" in his poem "Dead Gallop", which appears in his collection *Residence on Earth*. Another work by this poet, which states "On all sides I see your waist of fog", is "Ah Vastness of Pines". This poet wrote "When I close a book I open life" in his "Ode to the Book". This poet also wrote "I am here to relate history" in "America My Love", starting an epic work of fifteen sections describing Hispanic history called *Canto General* [KAHN-toh hay-nay-RAHL]. Name this poet of "The Heights of Macchu Picchu" who wrote *Twenty Love Poems and a Song of Despair*, a man from Chile.

Answer: Pablo Neruda [or Neftali Ricardo Reyes Basoalto]

16. Richard Mervyn Hare has developed new forms of this ethical philosophy, including one version that considers the preferences of involved parties and another that distinguishes between intuitive and critical thinking. The person generally credited with starting this philosophy was criticized for giving too much consideration to animals and for being too simplistic in his development of felicific calculus. Considered by its critics to be a form of hedonism, this philosophy aims to maximize happiness and minimize suffering. Name this philosophy developed by Jeremy Bentham and John Stuart Mill.

Answer: utilitarianism

17. Some animals in this phylum have small skeletal-like projections called pedicellaria. Animals in this phylum that can be fossilized to form St. Cuthbert's beads are called crinoids. Scientists sometimes only classify animals in this phylum if they contain stereom skeletons. The feet of animals in this phylum, which contain ampulla and podia, are called tube feet. One of its subphyla is asterozoa, many of which have a five-point radial symmetry, while examples of these without such symmetry include sea urchins and sea cucumbers. Name this animal phylum whose members tend to be good at regeneration, and which includes starfish.

Answer: **Echinodermata** [or **echinoderms**]

18. The title character in this opera sings the words "Fiso di tua madre la faccia" [FAHT-chah], meaning "fix your eyes on your mother's face", in the aria "Tu, tu piccolo Iddio". That character, who also sings the aria "Un bel dì vedremo", blindfolds her son and gives him a flag. Her husband, who sings "Dovunque al mondo" believing that he has the right to cancel the marriage each month, is sometimes introduced with notes from "The Star Spangled Banner" because he is a U.S. Navy Lieutenant. Name this Puccini opera in which B. F. Pinkerton marries Cio-Cio [CHOH choh] San in Japan.

Answer: **Madama Butterfly** [or **Madame Butterfly**]

19. This country's neighbor tried to prevent other countries from recognizing it through the Hallstein [HAHL-shteen] Doctrine. For most of the time this country existed, Erich Mielke [AIR-ikh MIL-keh] headed its dominant secret police force, the Stasi [SHTAH-see]. This country was ruled by a State Council after the death of its only president, Wilhelm Pieck [VIL-helm PEEK]. For many years, that council was headed by Walter [VAL-tair] Ulbricht and then Erich Honecker. This country started as the occupation zone agreed to at the Yalta Conference under the control of the Soviet Union. Name this country that merged with its neighbor in 1990 following the fall of the Berlin Wall.

Answer: **East Germany** [or **German Democratic Republic** or **GDR** or **Ostdeutschland**; do not accept or prompt on "Germany" or "Deutschland"]

20. Adherents of this religion may only consume fish smaller than twelve inches. The word "Nyabinghi" refers either to one sect of this religion or a type of ritual drumming. Adherents maintain their bodies as temples by following the largely vegan I-tal ["eye"-TAHL] diet, and they refer to themselves as "I and I". This religion shortens God's name from Jehovah to simply "Jah" and viewed emperor Haile Selassie ["HIGHLY" suh-LAA-see] as the second coming of Jesus Christ. Name this religion often publicized in reggae music that was popular in Jamaica, whose adherents smoke ganja, or cannabis, and wear their hair in dreadlocks.

Answer: **Rastafarianism**

TB. One character in this novel proposes a game of “Strip Botticelli”, leading the protagonist to put on several clothes. During that incident, members of The Paranoids barge in and play a serenade outside the hotel room of the main character and her lawyer Metzger. The protagonist of this novel is fascinated with the symbol of a muted horn and watches a play called *The Courier’s Tragedy*. The central character travels to San Narciso to execute the will of Pierce Inverarity and becomes obsessed with the secret “Tristero” organization. Name this novel about Oedipa Maas written by Thomas Pynchon.

Answer: *The Crying of Lot 49*

TB. Two people in matching black coats and red trousers appear near the center of one of his paintings. Another of his works depicts a man in red shorts sitting on a white blanket, looking out into the water at a boy in a red hat. One work depicts a boat rowed by four men in white, just in front of which stands a man in a black coat. In the foreground of that painting by this artist of *Bathers at Asnières* [ahn-yair] is a woman with a parasol walking a monkey on a leash. Identify this pointillist painter of *A Sunday Afternoon on the Island of La Grande Jatte*.

Answer: Georges(-Pierre) Seurat [soo-rah]

TB. Identify the color that describes the skin of Vishnu and his avatars in Hinduism, is the color of flower heads of a grass called *Poa pratensis* that grows in Kentucky, and is the color of both the largest whale and a clear sky.

Answer: blue