

Scobol Solo 2020

Packet 11 (Round 11)



1. The downtown area of this city has a sculpture by Sebastián titled *La Antorcha* [ahn-TOR-chah] de la Amistad. For this city's World's Fair, which was called HemisFair '68, O'Neil Ford designed the Tower of the Americas. One of the oldest structures in this city is the Mission Espada, which is one of several preserved frontier missions that feature prominently in this city. The most famous of those missions was the site of a battle in 1836. This city is the westernmost part of the Texas Triangle, and it is southwest of Austin. Name this city that contains the Alamo, and which is more populous than Dallas but less populous than Houston.

Answer: San Antonio, Texas

2. Richard Wagner [REEK-hart VAHG-nur] conducted this symphony when the cornerstone was laid to the Bayreuth Festspielhaus [by-ROYT fest-SHPEEL-"house"]. One theme in this symphony has a half note, six quarter notes, half note, two quarter notes, dotted quarter note, eighth note, and half note. The scherzo [SKAIRT-soh] of Antonín Dvorák's [d'-VOR-zhahk'z] *From the New World Symphony* and the finale of Brahms' 1st Symphony both reference this symphony. The fourth and final section of this symphony has lyrics based on Friedrich Schiller's poem "Ode to Joy". Name this 1824 symphony that was the last one completed by its composer.

Answer: Beethoven's 9th symphony [or Choral Symphony; prompt on 9th symphony]

3. This framework introduced "hooks", such as `useContext` and `useEffect`, in version 16.8. This framework's old methods `componentWillMount` and `componentWillUpdate` have been replaced with `componentDidMount` and `componentDidUpdate`. In this framework, every component implements a `render` method, which can incorporate `props` and `state` to display something to the user. The "Native" variation of this framework is used to create mobile apps instead of web apps. Name this JavaScript framework, created by Facebook, whose JSX tags resemble HTML tags.

Answer: React [accept React JS]

4. A short story by this writer begins with the protagonist's sister Josephine and her husband's friend Richards delivering bad news. This author began that story with the phrase "Knowing that Mrs. Mallard was afflicted with a heart trouble". In a novel by this author, the protagonist lives a life in contrast to a widow referred to as "the lady in black". This author described that woman being inspired by the piano-playing of Mademoiselle Reisz [rize] and having an affair with Alcée Arobin [al-say ar-oh-ban]. Name this author of "The Story of An Hour" who wrote about Edna Pontellier [pawn-tell-yay] in *The Awakening*.

Answer: Kate Chopin [or Katherine O'Flaherty]

5. Near the beginning of this era, a major newspaper urged people to “Sweep Away All Monsters”. At the beginning of this era, some people were forced to wear hats with their crimes written on them in front of screaming crowds; those incidents were called “struggle sessions”. This era was started by the May 16 Notification. The leader of this era urged people to destroy the “four olds”, which included old ideas, old customs, and old habits. During this era, which was also an attempt to end capitalism, the Gang of Four gained power. Name this era from 1966 to 1976 in China that ended soon after the death of Mao Zedong.

Answer: (Great Proletarian) Cultural Revolution [or Wénhuà dàgémìng; prompt on answers referring to Mao Zedong]

Check the score.

6. This movement is “a struggle to eradicate the ideology of domination that permeates Western culture on various levels” according to a book supporting this movement that is subtitled *From Margin to Center*, and which supports another book by the same author whose title states this movement *Is for Everybody*. That writer is Bell Hooks, who wrote critically about another book that supported this movement and which begins “The problem lay buried, unspoken, for many years.” That book states this movement addresses “the problem that has no name”. Name this movement that Bell Hooks says is “to end sexism, sexist exploitation, and oppression”.

Answer: feminism or feminist movement

7. Rudolf Fueter [FUR-tur] and George Pólya [“POLE”-yah] proved that the polynomials named for this person are the only quadratic packing polynomials, which means those polynomials are the only mapping from all first-quadrant lattice points to the counting numbers. This person’s paradox is based on the lack of a largest cardinal number. The set named after this person is generated by recursively removing the middle third from the real numbers from 0 to 1. This person proved that there is no one-to-one correspondence between counting numbers and real numbers with his diagonal argument. Name this German mathematician who developed the continuum hypothesis and formed the basis of modern set theory.

Answer: Georg (Ferdinand Ludwig Philipp) Cantor [GAY-ork KAHN-tor]

8. A man in this play is described as “a needy, hollow-eyed, sharp-looking wretch, a dead-looking man.” That description is of Doctor Pinch, who is hired to release demons in this play but has his beard set on fire. The plot of this play is worked out when the Abbess shows up and announces that she is actually Emilia, the wife of Egeon [eh-JEE-un]. After that, a gold chain is paid for. Some of the confusion in this play is based on the fact that the two attendants named Dromio are twins. They are each attendants to twins named Antipholus [an-TIFF-uh-luss]. Name this play set in Ephesus [EFF-uh-suss], which is a city that has a rivalry with Syracuse.

Answer: *The Comedy of Errors*

9. On this island, Federico Halbherr found an ancient law code inscribed on circular buildings. That find was made at Gortyn [GOR-tin], the ancient city where St. Titus became a bishop on this island. One of the Roman provinces was a combination of this island with Cyrenaica [SIR-eh-NAY-uh-kuh]. The Linear A writing system was developed on this island. A fire around 1400 BCE on this island destroyed the Last Palace, which was located at Knossos [NAH-sus]. In the early 20th century, Arthur Evans excavated many ruins on this island. Name this island where the Minoan civilization lived.

Answer: Crete

10. This composer's first published work ends with a playful flourish that suggests one of the title animals may have survived. That short piano piece, labelled a "Scherzo Humoristique" [skairt-soh oo-mor-ees-teek], is "The Cat and the Mouse". This composer also wrote a four-minute piece that was played at the opening of the National September 11 Memorial & Museum. That piece, inspired by a speech by Vice President Henry Wallace at the beginning of World War II, is *Fanfare for the Common Man*. This composer also wrote ballets about the American West. Name this composer of *Appalachian Spring*, *Billy the Kid*, and *Rodeo* [roh-DAY-oh].

Answer: Aaron Copland ["COPE"-lund]

Check the score.

11. This chemical is made by combining chloral [KLOR-al] with chloro-benzene, and the study of this chemical led to a Nobel Prize for Paul Hermann Müller. According to the Stockholm Convention on Persistent Organic Pollutants, this chemical can only be used to control malaria. The use of this chemical became controversial because of its unintended impact of decreasing bird populations, which happened in part because it led them to lay eggs with thinner shells. Name this insecticide that was banned after its negative impacts were publicized by Rachel Carson in the book *Silent Spring*.

Answer: DDT [or dichloro-diphenyl-trichloroethane]

12. Nathan Biah [BEE-uh] and Naquetta Ricks, both of whom fled from this country years ago, were recently elected to state legislatures in the United States. The current vice president of this country, Jewel Taylor, used to be married to Charles Taylor, who used to be the president of this country but is now in jail for war crimes. The current president of this country, who used to be an elite soccer player, is George Weah [WEE-uh]. This country suffered the most deaths during the 2016 Ebola outbreak, which also impacted its neighbors Guinea and Sierra Leone. Name this country that was started in the 19th century by the American Colonization Society.

Answer: (Republic of) Liberia

13. Juan Antonio de Zabala [zah-BAH-luh] joined this person’s forces a year after losing to him. Zabala had fought against this person in a battle where Juan Bautista Cabral saved this person’s life by being stabbed by an enemy’s bayonet after this person’s horse fell at the Battle of San Lorenzo. This person allied with Bernardo O’Higgins to win the Battle of Chacabuco [chah-kah-BOO-koh], and their victory at the Battle of Maipú [my-POO] assured independence for Chile. Name this leader who—after a meeting with Simón Bolívar in Ecuador—liberated Chile, Argentina, and Peru.

Answer: José (Francisco) de San Martín (y Matorras) [prompt on Martín]

14. One poem by this writer states “For the sword outwears its sheath, and the soul wears out the breast.” This poet wrote “So late into the night” as the second line of that poem and “By the light of the moon” as the last line. This writer put many of his shorter poems in the collection *Hebrew Melodies*. One such poem by this writer ends with the lines “A mind at peace with all below, a heart whose love is innocent!”. This poet followed the title of that poem with the lines “like the night of cloudless climes and starry skies.” Name this early-19th-century English poet who wrote “So, we’ll go no more a roving” and “She Walks in Beauty”.

Answer: (George Gordon Noel,) Lord Byron [accept any underlined name]

15. A two-step model of this phenomenon during electron diffraction explains the existence of Kikuchi [kee-koo-chee] lines. The sine of the angle named for this phenomenon is raised to the fourth power in the formula for the type of this phenomenon named for Ernest Rutherford. Colloids cause an example of this phenomenon in the Tyndall [TIN-dawl] effect. An inelastic example of this phenomenon is named for C. V. Raman [RAH-mun], while an elastic type is named for Lord Rayleigh. Name this phenomenon in which a particle deflects from a straight trajectory, such as the deviation noticed in the gold foil experiment.

Answer: scattering [or particles being scattered]

Check the score.

16. One painting by this artist shows a row of eight active barefoot boys, with the one on the farthest left falling onto the grass. This artist depicted those boys in front of a little red schoolhouse, playing a game that should cause one of them to be flung through the air. Another painting by this artist depicts a man and three boys seated on a boat that is tilted way to the left. That painting is subtitled *A Fair Wind*. Name this 19th- and early-20th-century American painter of *Snap the Whip* who set many of his works at sea, including *Breezing Up*.

Answer: Winslow Homer

17. There is a statue of this person near the town of Talcott in West Virginia, which has a festival for him every year. That festival was described in a Colson Whitehead book about this person. According to a song about this person, you can hear him a mile away, and he had a woman named Polly Ann. The famous contest this person took part in is probably fictional, though there are claims it took place at Lewis Tunnel or Big Bend Tunnel. According to legend, this person died as soon as he won that contest. Name this person who defeated a steam drill and became known as a “hammer-driving man”.
Answer: John Henry [prompt on John]
18. An article about Leonard Bernstein hosting a fundraiser for this organization was the first use of the phrase “radical chic”. That article described Donald Cox, who was the Field Marshal of this organization but fled to Algeria after conspiring to murder a member accused of being an informant. This organization’s Minister of Information was the author of *Soul on Ice*, Eldridge Cleaver. One of the main projects of this organization was the Free Breakfast for School Children Program. When he started the Rainbow Coalition, Fred Hampton was the leader of the Illinois chapter of this organization. Name this organization, started by Bobby Seale and Huey Newton in 1966, that strongly opposed police brutality against African-Americans.
Answer: Black Panther Party (for Self-Defense) [or Black Panthers; prompt on BPP]
19. This author’s narrator is fascinated by a Jewish girl named Gilberte [zheel-bair] when he is young, and he then becomes attracted to Albertine Simonet [al-bair-teen see-moh-nay], whom he wishes to marry even though he suspects she is a lesbian. This author’s narrator is reminded of snacking with Aunt Leonie and many other things when he eats a madeleine cake. Most of the narrator’s memories are set in Combray during this author’s *Swann’s Way*. Name this French writer whose works were collected into a long novel whose name is translated as either *In Search of Lost Time* or *Remembrance of Things Past*.
Answer: (Valentin Louis Georges Eugène) Marcel Proust
20. Oblong examples of these organisms are Pennales [puh-NAY-leez], while the round ones are Centrales [sen-TRAY-leez]. These organisms contain an epi-theca [ep-ih-THEE-kuh] and hypo-theca [“hi”-poh-THEE-kuh], and their external layer is a frustule [FRUST-yool] that often displays geometric patterns. Ground-up remnants of these organisms form a so-called “earth” that can be used to kill pests that have exo-skeletons without harming humans. When these organisms die, their cell walls sink to the bottom of water and remain for a long time because the cell walls are made of a mineral. Name these algae that provide a significant amount of the Earth’s oxygen and have silica in their cell wall.
Answer: diatoms [“DIE”-uh-tahmz] [accept Bacillariophyceae; prompt on algae]

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.

TB21. During this phase of mitosis [my-TOH-siss], Polo-like kinase I [“KINE-ace one”] is located at a point rather than spread out. Near the end of this phase, an acto-myosin [AK-toh-MY-oh-sin] contractile ring starts to form. The spindle micro-tubules, which are de-polymerized [dee-puh-LIM-ur-“eyes”d] during this phase of mitosis, are at their longest near the beginning of this phase. The nucleolus [noo-klee-OH-luss] reappears during this phase and grows. This phase is characterized by the unraveling of chromosomes, and the nuclear envelope forming around them. Name this phase of mitosis that follows ana-phase, leading to cyto-kinesis [“SITE”-oh-kuh-NEE-siss] at the end of mitosis.
Answer: telo-phase

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

TB22. The Dow Chemical Company was originally named for a town in this state, where the company started out as a bromine [BROH-meen] extraction company. At a sanatorium in this state, two brothers discovered how to make corn flakes, which led to the creation of Kellogg’s in this state’s town of Battle Creek. A very prominent businessman from this state promoted a series of pamphlets called *The International Jew*, which promoted several anti-Semitic conspiracies. That person started one of the Big Three automobile manufacturers in Dearborn. Name this state that contains the headquarters of Chrysler, General Motors, and Ford.
Answer: Michigan (Dow Chemical was originally named “Midland”.)

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

TB23. During this month in 1815, Napoleon was defeated at Waterloo. Johnny Cash’s second wife shares a name with this month. The 19th day of this month is celebrated in some places as Freedom Day because it is when enslaved African-Americans in Texas learned that they were free. The sixth day of this month in 1944 was the day of the Normandy landings, which are now remembered as D-Day. Flag Day and Father’s Day are celebrated in this month. Name this sixth month of the year.
Answer: June

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.