

Scobol Solo 2021

Packet 10 (Round 10)

1. A short story by this author describes a tree with a rotting core and the name “Deacon Peabody” on it. In that story, this writer depicted efforts by a man and his wife to get money that is hidden by Kidd the pirate and protected by Old Scratch. Another story by this writer involves a character who “tethers his horse nightly among the graves in the churchyard”. It is possible that the character is impersonated by Brom Bones. This author set that story in Tarry Town, where the schoolmaster Ichabod [IK-uh-bahd] Crane goes to work. Name this author of “The Devil and Tom Walker” and “The Legend of Sleepy Hollow”.

Answer: Washington Irving [accept Geoffrey Crayon]

2. The internet infrastructure company Cloudfront uses lava lamps to create this property. Computers sometimes use mouse movement or thermal noise to create this property. A common version of the quick-sort algorithm chooses the pivot element using numbers generated with this property. RAM is memory that does not need to be read in order—in other words, it can be “accessed” in this fashion. Cryptographic keys should be generated using this property so they cannot be guessed. Name this property of being unpredictable.

Answer: randomness [accept random access memory or random numbers; accept entropy before “accessed”]

3. When this person worried that his slave Eliezer of Damascus was going to be his heir, God told this person “No one but your very own issue shall be your heir.” This person said “Here I am” to both God and his son shortly before an angel said “Here I am” to this person, after which this person saw a ram caught in a thicket by its horns. This person sacrificed that ram. This person eventually became the grandfather of Jacob and Esau. Name this husband of Sarah and father of Isaac in the Book of Genesis who is often considered to be the first Jew.

Answer: Abraham [or Avraham; accept Abram or Avram]

4. France agreed to gradually give independence to this country at the 1936 Viénot [vyeh-noh] Accords, where this country’s side was led by Hashim al-Atassi. When leaders in this country during the 1950s worried about a Communist takeover, they contacted Egypt’s Gamal Abdel Nasser and formed a joint country called the United Arab Republic. Like Iraq, this country has been controlled by the Ba’ath [bahth] Party. From 1975 to 2005, this country occupied much of Lebanon. Name this country that since 2011 has been undergoing a brutal civil war and that since 2000 has been led by Bashar al-Assad.

Answer: Syria [accept Syrian Arab Republic or al-Jumhuriyah al-’Arabiyah as-Suriyah]

5. At the end of a short story by this author, Elizabeth Bates cares for the body of her husband, who died in a cave-in. This author of “Odour of Chrysanthemums” wrote a story in which a woman is told “You’re eighty-odd thousand to the good, and a poor devil of a son to the bad.” That son was able to determine which horses would win races. In a novel by this author, Mrs. Bolton is brought to Wragby to care for a man injured in World War I. Michaelis [mih-KAY-liss] has an affair with that man’s wife in a novel by this author, but the wife eventually loves Oliver Mellors. Name this author of “The Rocking-Horse Winner” and *Lady Chatterley’s Lover*.

Answer: D(avid) H(erbert) Lawrence

Check the score.

6. Leopold Godowsky used variations on this symphony to compose a very difficult *Passacaglia* [pah-sah-KAHL-yah]. This symphony begins with an *Allegro moderato* movement in 3/4 [“three four”] time, then goes to an *Andante con moto* movement in 3/8 time. This symphony was mailed to Anselm Hüttenbrenner, who did not tell anybody about it for 42 years. This symphony’s composer caught syphilis around the time he worked on it. This symphony includes two pages of a scherzo [SKAIRT-soh], and some people have speculated that incidental music to the play *Rosamunde* should be its fourth movement. Name this last symphony worked on by Franz Schubert.

Answer: Unfinished Symphony [or Schubert’s Symphony No. 8 or Schubert’s Eighth Symphony; prompt on partial answers; accept just 8 or Eighth after the end; accept Unvollendete]

7. This quantity is represented by the T in the formula “the Lagrangian [luh-GRAHN-jee-un] equals $T - V$ [‘T minus V’]”. The average value of this quantity for molecules of an ideal gas equals $\frac{3}{2}$ times the Boltzmann constant times absolute temperature. In Newtonian mechanics, this quantity equals the linear momentum squared over twice the mass. For a rotating object, this quantity equals $\frac{1}{2}$ moment of inertia times angular speed squared. Name this quantity that equals $\frac{1}{2}$ mass times speed squared and which is the energy of motion.

Answer: kinetic energy [accept just kinetic after “energy”]

8. After water was found in this country’s Kufra [KOOOF-ruh] region several decades ago, an enormous effort was made to bring water to this country’s cities, starting with Ajdabiya [ahj-dah-BEE-uh]. That effort is the Great Man-Made River. About a decade ago, this country moved its capital to Sirte [sirt], but that city was badly damaged. Much of this country’s international trade goes through the city of Misrata. This country’s biggest cities are on the Mediterranean Sea, including Benghazi. Name this country between Algeria and Egypt whose capital is Tripoli [TRIP-uh-lee].

Answer: Libya [or Great Socialist People’s Libyan Arab Jamahiriya or al-Jamahiriyah al-Arabiyyah al-Libiyah ash-Shabiyah al-Ishtirakiyyah al-Uthma]

9. The decision in this Supreme Court case was strengthened in 2000 by *Dickerson v. U.S.* but weakened in 2010 by *Berghuis [BUR-juss] v. Thompkins*. This decision both overruled and strengthened the ruling in *Escobedo v. Illinois*, as this case used the Fifth Amendment instead of the Sixth Amendment. The arguments in this case were based on whether or not a signed confession by an accused rapist was made voluntarily. This case was decided in 1966 based on an incident in Phoenix. Name this case whose ruling inspired a warning commonly given to suspects that begins “You have the right to remain silent.”

Answer: Miranda v. Arizona [prompt on Arizona]

10. The women in this musical sing about getting over breakups in the song “Many a New Day”. In one song in this musical, a woman warns a man “Don’t throw bouquets at me”, and he responds later by saying “Don’t praise my charm too much.” That song, “People Will Say We’re in Love”, is sung in this musical by Laurey and Curly. This musical opens with Curly singing “Oh, What a Beautiful Mornin’”. Another song says that the title location of this musical is “where the wind comes sweepin’ down the plain”. Identify this first Rodgers and Hammerstein musical, which is named for and set in a territory about to become a U.S. state.

Answer: Oklahoma!

Check the score.

11. In linear algebra, the rank-nullity theorem states that the dimension of the set representing this concept equals the sum of the rank plus nullity of a transformation. For an injection, each member of this set maps to a different result. In a piecewise function, different rules are used for different parts of this set. For the co-tangent function, integer multiples of pi do not belong to this set, but all other real numbers are in this set. On the graph of a function, this set corresponds to all of the x -coordinates that are used. Name this set of inputs into a function that are mapped to the range.

Answer: domain

12. This person wrote a pastoral elegy about a friend named Edward King who was becoming a clergyman but drowned in the Irish Sea. In a sequel to his most famous work, this poet described the temptations of Jesus. That sequel was published with this poet’s *Samson Agonistes [ag-un-ISS-teez]*. In his most famous work, this 17th-century poet wrote “Of man’s first disobedience, and the fruit of that forbidden tree.” This poet wrote that epic about Satan tricking Adam and Eve. Name this English poet who wrote “Lycidas” [LISS-ih-duss] and *Paradise Lost*.

Answer: John Milton

13. This person hosted G-7 leaders at a large indoor rain-forest in June 2021. In September 2021, the 10-day plan for this person’s death was leaked. In a November 2021 statement on climate change, this person said “None of us will live forever.” A planned 2022 celebration of this person is called the Platinum Jubilee. This person’s husband, who died in April 2021, was Prince Philip, Duke of Edinburgh. This person succeeded her father, George VI, and she is expected to be succeeded by her son, Prince Charles. Name this British monarch.

Answer: Queen Elizabeth II (Alexandra Mary Windsor) of the United Kingdom [prompt on Elizabeth]

14. A 1506 self-portrait by this artist shows him with shoulder-length hair wearing a black outfit and black cap, and that work is in the Uffizi [oo-FEET-see]. Historians are uncertain who is reaching towards the viewer in front of this painter in *Self-Portrait with a Friend*. This painter’s frescoes *The Cardinal Virtues*, *The Parnassus*, and *Disputation of the Holy Sacrament* are in the *Stanza della segnatura* [stahn-zah dayl-lah sen-yah-TOO-rah], which is a room in the Vatican. Name this painter who in the same room portrayed Plato and Aristotle surrounded by several other major ancient Greek thinkers in *The School of Athens*.

Answer: Raphael [or Raphaello Sanzio da Urbino or Raphael Santi; accept any underlined name]

15. A meeting held in this city recognized the independence of Romania and created a treaty that replaced the Treaty of San Stefano that had been signed a few months earlier. When the Soviet Union cut off land routes to this city, the Allies launched an enormous airlift that dropped food into the parts of this city under Allied control in 1948. This city hosted the 1936 Olympics that was filmed by Leni Riefenstahl [REE-fen-shtahl] and at which Jesse Owens won four gold medals. From 1961 to 1989, the west part of this city was surrounded by a wall due to the Cold War. Name this capital and most populous city of Germany.

Answer: Berlin, Germany [do not accept “West Berlin”]

Check the score.

16. Several of these substances used in chemistry labs are made from antho-cyanins [an-thoh-SY-uh-ninz]. A measure of zeta potential is sometimes used instead of these substances. These substances are weak acids or weak bases that can be used at low concentrations and have visible differences between their proton-ated [PROH-tah-nay-tid] and un-protonated forms. These substances are often used to determine when titrations [“tie-TRAY-shuns”] are finished. Name these substances such as methyl yellow or litmus paper that often change color to show the pH of a solution.

Answer: (chemical or acid-base) (pH) indicators

17. Montesquieu [mahn-tess-“cue”] claimed that honor is the principle of this form of government, which simplifies the role of education. In *Leviathan* [leh-“VIE”-uh-thun], Thomas Hobbes argued that because “the private interest is the same with the public” with this system of government, it is superior to aristocracy and democracy. In *The Rights of Man*, Thomas Paine asked what this type of government is, and he then stated that in America it is “considered as an absurdity”. Name this form of government in which one person is the head of state for life and the title of ruler is passed down in a royal family.
Answer: monarchy [or monarchical government; prompt on kingdom(s) or queendom(s) or royalty]
18. In the *One Thousand and One Nights*, this type of furniture with “complete hangings all cloth of gold” is given by the Caliph to Sinbad on Sinbad’s seventh voyage. Also in *One Thousand and One Nights*, this type of furniture is transported with the vizir’s son and the princess to Aladdin by the genie. In a Roald Dahl book, this type of furniture is used excessively by Grandma Josephine, Grandma Georgina, Grandpa George, and Grandpa Joe Bucket. In a Hans Christian Andersen story, a princess is identified by her ability to detect a pea in this type of furniture. Name this type of furniture that in “The Princess and the Pea” is piled high with mattresses.
Answer: beds
(The Roald Dahl book is *Charlie and the Chocolate Factory*.)
19. This general was sometimes called “Granny” after he failed to surround the enemy at the Battle of Cheat Mountain. Because this general often told his soldiers to dig entrenchments, he was called “the King of Spades”. This general, who was also called “the Marble Man”, successfully commanded his side during the Seven Days Battles after Joseph E. Johnston was injured. This general was successful at the Battle of Chancellorsville, but he said “I have lost my right arm” when Stonewall Jackson died. This general eventually surrendered at Appomattox [app-uh-MAT-uhks] Court House. Name this commander of the Confederate Army.
Answer: Robert E(dward) Lee
20. This gland is gradually destroyed in Hashimoto’s disease. The over-activity of this gland causes eye bulging, which is a symptom of Graves’ disease. The para-follicular [“PAIR”-uh-fuh-LIK-yoo-lur] cells in this gland can reduce blood calcium by releasing calcitonin [kal-suh-TOH-nin], which reverses the effects of the four small glands attached to the back of this gland. Like the adrenal glands, the action of this gland is impacted by a hormone released by the anterior pituitary gland. An enlargement of this gland is called goiter and is usually caused by iodine deficiency. Name this gland located below the Adam’s apple in the neck.
Answer: thyroid gland [do not accept “parathyroid”]

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. One story by this writer starts out at a pub in Debenham, where the narrator hangs out with three men, including Fettes [FET-iss]. That story, which ends with Fettes and Wolfe Macfarlane discovering they are with the body of Gray, is “The Body-Snatchers”. In a novel by this author, the words “I don’t like this cruise, I don’t like the men, and I don’t like my officer” are spoken by Captain Alexander Smollett, who does not trust Squire John Trelawney. That novel by this author is partly about a voyage on which the ship’s one-legged cook is Long John Silver. Name this author who wrote about Jim Hawkins in *Treasure Island*.

Answer: Robert Louis Stevenson

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

^{TB}22. Though a harp also appears, this instrument is the lead instrument of Max Bruch’s [brook’z] *Kol Nidrei* [kohl nee-DRAY], and a commonly recommended recording of that piece features Jacqueline du Pré. Gaspar Cassadó’s suite and Zoltán Kodály’s [zohl-tahn KOH-dy’z] sonata are potential submission pieces for a competition for players of this instrument; that competition is named for Pablo Casals. The strings on this instrument are usually tuned exactly one octave below the strings of a viola. Name this *second-lowest* string instrument in the orchestra.

Answer: cellos [accept violoncello but do not accept or prompt on “violin” or “violon”; accept celli]

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

^{TB}23. In a play by Shakespeare, a nurse points out that this letter begins both the name of a type of shrub and the name of one of the characters. In some languages, the sound of this letter is made with an alveolar trill. A company that closed its stores a few years ago had a name in which this letter was between the words “Toys” and “Us”. Name this letter that comes between ‘Q’ and ‘S’.

Answer: r

(The nurse observes that “Romeo” begins with the same letter as “rosemary”.)

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.