

# Scobol Solo 2020

## Packet 4 (Round 4)



1. This phenomenon is sometimes confused with a seiche [saysh], which has a very similar effect and was first observed on Lake Geneva. One extreme of this phenomenon can be called the chart datum [DAY-tum]. This phenomenon is a source of energy at Sihwa [shee-wah] Lake Power Station. This phenomenon is largest when it is the spring type, which occurs when the Moon is full or new. This phenomenon is smallest at intermediate phases of the Moon, which lead to the neap type of this phenomenon. Over the course of a day, this phenomenon changes from ebb level to flood level. Name this phenomenon of rising and falling water levels.

Answer: tides [prompt on waves before “chart datum”]

2. The beginning of one novel by this writer describes a road nicknamed “Not Doctor Street” and a hospital nicknamed “No Mercy Hospital”. This author wrote that novel about the brother of First Corinthians and Lena, whose nickname is based on the fact that he was breastfed for several years. In another novel by this author, a character called School-teacher replaces Mr. and Mrs. Garner as the head of Sweet Home, where he treats the slaves like animals. This author set much of that novel at 124 Bluestone Road, which is the home of Sethe [SETH-uh] and Denver. Name this author of *Song of Solomon* and *Beloved*.

Answer: Toni Morrison [or Chloe (Ardelia) Wofford]

3. This goddess put a piece of sacred oak on the ship *Argo* to give advice whenever the ship was in danger. Cadmus sacrificed a cow to this goddess, and in return she advised him to plant dragon teeth, which led him to be able to create the city of Thebes [theebz]. This goddess was the daughter of Metis [MEE-tiss], but after Metis turned into a fly this goddess was born when Hephaestus [heh-FESS-tuss] struck Zeus in the head. Name this Olympian goddess of wisdom and war who planted an olive tree, causing the city that is now the capital of Greece to be named after her.

Answer: Athena

4. Congress expanded this U.S. president’s power to make international deals by passing the Reciprocal Trade Agreement Act. This president helped rural areas with the creation of the Rural Electrification Administration, Resettlement Administration, and a large regional agency headed by David Lilienthal [LILL-ee-en-thawl]. That agency was part of a larger agency under this president that was run by Harry Hopkins and employed millions of Americans on construction projects. Those agencies were the Tennessee Valley Authority and Works Progress Administration. Name this president who oversaw the end of the Great Depression and was elected four times.

Answer: Franklin Delano Roosevelt [prompt on Roosevelt; accept FDR]

5. Other than elephants, these animals have the longest gestation period, which often lasts 17 to 18 months. A type of this animal called the bowhead [BOE-hed] is able to live for 200 years. These animals and hippopotamuses are in the sub-order Whippomorpha. These animals are classified as odontocetes [oh-DAH-neh-toh-seets] or Mysticeti [“MICE”-tuh-SEH-tee]; the common names of those classifications are “toothed” and “baleen” [buh-LEEN]. These animals are in the same order as porpoises and dolphins. Identify these very large marine mammals that include the beluga, sperm, and blue types.

Answer: whales [or Cetaceans; accept more specific answers]

**Check the score.**

6. In one work by this painter, there is an enormous textbook in the lower right corner of the painting that is open towards the people in the painting. The primary person in that painting is the only person wearing a large black hat, and that person holds forceps in order to display muscles and tendons. This painter also made a very large depiction of a civil guard company in Amsterdam. That 1642 painting prominently depicts Frans Banninck Cocq. Name this painter of *The Anatomy Lesson of Dr. Nicolaes Tulp* and *The Night Watch*.

Answer: Rembrandt (Harmenszoon van Rij) [accept either underlined portion; prompt on Rijn]

7. According to Marcus Aurelius, nothing has this quality if it is according to nature. Gottfried Leibniz introduced the term “theodicy” [thee-AH-dih-see] to explain the existence of this characteristic. Augustine said that God is patient with this characteristic because he loves to save and not to condemn. Epicurus reached the conclusion that an omni-potent [ahm-NIH-poh-tent], omni-benevolent and omniscient [ahm-NISH-ent] god does not exist based on the fact that this characteristic does exist. Give this term that means “morally reprehensible” and which is a synonym of wicked and sinful.

Answer: evil(ness)

8. The person who held this position for much of the 17th century is known as the Great Fifth, and he died in 1682 but his death was kept a secret for 14 years. That person who held this position oversaw the construction of the Potala Palace. In 1959, the person who held this position fled to Dharmasala [DAR-um-SAH-luh], India, where he started a campaign to regain independence from China. Each person who holds this position is supposed to be a reincarnation of a previous holder of this position. Name this Buddhist religious position that for many years belonged to the leaders of Tibet.

Answer: Dalai Lama [prompt on Lama]

9. The construction of this regular polygon can begin by drawing arcs with the same radius of a given circle that are centered at ends of a circle diameter. One of these shapes is formed when a triangle is truncated at each of its vertices. The apothem [AP-uh-them] length of this polygon equals the side length times  $\frac{1}{2}\sqrt{3}$  [“one-half root 3”]. Like a square and triangle, this regular polygon can tessellate the plane. Name this polygon that has 60-degree central angles since diagonals through the center divide it into six equilateral triangles.

Answer: regular hexagon [prompt on regular 6-gon]

10. This writer coined the phrase “all good things must come to an end”. That line occurs in a work by this writer that was based on a story in Giovanni Boccaccio’s [joh-VAHN-nee bohk-KAHT-choh’z] *Il Filostrato* [eel fee-loh-STRAH-toh] and which was used as a source for William Shakespeare’s *Troilus and Cressida*. In another work, this writer described one character as “a chap of sixteen stone” and said another character “had followed chivalry, truth, honor, generousness, and courtesy”. Those characters are the Miller and the Knight. Name this Middle English writer who described a pilgrimage to the shrine of St. Thomas Becket in *The Canterbury Tales*.

Answer: Geoffrey Chaucer

### **Check the score.**

11. Two museums in this city showcase art owned by François Pinault [fran-swah pee-nawl]; those museums are the Palazzo Grassi [pah-LAHT-soh GRAHSS-see] and the Punta Della Dogana. Another museum in this city is the Peggy Guggenheim [GOO-gen-hym] Collection. Classical art museums in this city often display works by artists who lived there, including Tintoretto, Giorgione [jor-JOH-nay], and Titian [TEE-shun]. Many of the famous buildings in this city, such as St. Mark’s Basilica and the Doge’s [DOH-jeh’z] Palace, are at a large public square called Piazza San Marco. Name this Italian island city famous for the gondolas in its canals.

Answer: Venice, (Veneto,) Italy [or Venezia, (Veneto,) Italia]

12. During the first of these wars, Boödes [boh-OH-deez] was successful at the Battle of the Lipari Islands, but his side lost almost all the other battles, including the Battle of Agrigentum [ag-rug-EN-toom]. The second of these wars opened with the Battle of the Trebia. That war ended when Masinissa [mass-uh-NISS-uh], the future king of Numidia [noo-MID-ee-uh], helped the Romans win the Battle of Zama. That battle was a victory for Scipio [SIP-ee-oh] Africanus. In the second of these wars, Gaius Terentius Varro lost the Battle of Cannae [“canny”], and elephants helped Hannibal get over the Alps. Name these wars between Rome and Carthage.

Answer: Punic Wars

13. This element is used in the Andrussow [an-DROO-soh] process to convert methane and ammonia into hydrogen cyanide and another product. This element is added to an alcohol to get an aldehyde [AL-duh-“hide”]. This element is combined with methanol to make formaldehyde and water, and in a different reaction this element combines with methanol to make carbon dioxide and water. When this element was discovered, the first property noticed was that it is a gas that makes flames burn stronger, and the second property noticed is that animals can survive when surrounded by it. Name this element that is normally di-atomic but also has a tri-atomic form, ozone.

Answer: oxygen [accept O]

14. While looking at his hands, this character says “This is a sorry sight” shortly after saying “I have done the deed. Didst thou not hear a noise?”. Later in the same scene, this character asks “Will all great Neptune’s ocean wash this blood clean from my hand?”. By the end of the play, this character’s wife sleepwalks while talking about a “damned spot”. This character and his wife feel guilt after he murders King Duncan. This man is the title character in a play that opens with three witches planning to meet with him. Name this title character of William Shakespeare’s “Scottish play”.

Answer: Macbeth

15. During 2020, this person was criticized for overseeing a public relations campaign with the slogan “Find Something New”. In 2017 and 2018, this person was criticized for receiving Chinese trademarks, many of which were linked to her namesake clothing brand. In 2020, lawyers representing this person and her husband threatened to sue the Lincoln Project over billboards in Times Square, which inspired the Lincoln Project to put ads on a boat near Mar-a-Lago. Name this wife of Jared Kushner and daughter of the outgoing president.

Answer: (Ivana Marie) “Ivanka” Trump [prompt on Ivanka or Trump or I. Trump; prompt on Ivana]

***Check the score.***

16. Like Spain, this country maintained neutrality during World War II, though a group sympathetic to the Axis raided Magazine Fort in this country, and the government secretly helped the Allies without allowing them use of the Treaty Ports. Several people who earlier fought for this country’s independence—including James Connolly and Patrick Pearse—were executed, though their mission succeeded. This country was headed for many years by Éamon de Valera [AY-mun deh vuh-LAIR-uh], who started its Fianna Fáil [fee-AN-uh “FALL”] Party after a split from Sinn Féin [shin fayn]. Name this country that earned independence from the United Kingdom after the Easter Rising, though it still shares an island with part of the United Kingdom.

Answer: (Republic of) Ireland [or (Poblacht na h)Éireann or Irish Free State]

17. One piece by this composer has a quarter-note G, eighth rest, down to an eighth-note D, back up to a quarter-note G, eighth rest, five eighth notes, and a quarter note. That piece is the 13th in a series by this composer that includes his “Gran Partita”. This composer’s last symphony has a fugue at the end that was highly praised by Robert Schumann. That symphony, which was this composer’s 41st, was eventually nicknamed “Jupiter”. Name this Austrian composer of *Eine kleine Nachtmusik* [*“EYE”-nuh KLY-nuh NAHKT-moo-zeek*] who was a child prodigy and had a rivalry with Antonio Salieri.

Answer: Wolfgang Amadeus Mozart [or Johannes Chrysostomus Wolfgangus Theophilus Mozart]

18. Some of the advancements in making these objects were by T. H. Jeong of Lake Forest University, who first made the cylindrical types. The principle named for these objects is based on the ability of black holes to destroy information while increasing the surface area of their event horizon. The types of these objects named after Yuri Denisyuk [*DEN-eess-yuk*] use the reflection of white light. Early versions of these objects were monochromatic and required a laser. Name this recording of an interference pattern which is on a two-dimensional surface but appears to be a three-dimensional picture.

Answer: holograms [or holographs]

19. This U.S. state’s Chena [*CHEE-nuh*] River State Recreation Area is named for a river that feeds the Tanana [*TAN-uh-naw*] River. This state is divided into 19 boroughs instead of counties, plus an Unorganized Borough that makes up about half of this state’s area. Haines, North Slope, and Kodiak Island are among those 19 boroughs. North Slope is the location of this state’s Prudhoe [*PROO-doh*] Bay oil field, which is on the Beaufort [*BOH-furt*] Sea. The town of Nome is in the western part of this state, near the Bering Strait. Name this state whose most populous city is Anchorage and which is west of Canada.

Answer: Alaska

20. After a character in this novel gets shot in the arm with an arrow, he pulls it out, then removes the armor from his assailant and throws the assailant to his death. In this novel, the assailant is Jehan [*zheh-awn*], and he was helping Clopin [*kloh-pan*]. Earlier in this novel, when Jehan’s parents died during a plague, he was adopted by his older brother, who becomes an arch-deacon. During this novel, that arch-deacon becomes obsessed with a Gypsy street dancer, which leads him to stab Captain Phoebus [*fee-buss*]. In this novel, Claude Frollo is obsessed with Esmeralda, who is saved by Quasimodo. Name this novel by Victor Hugo.

Answer: *The Hunchback of Notre-Dame* [or *Notre-Dame de Paris*]

***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.***

<sup>TB</sup>21. A song meant to tease this character begins “O thou that art above in bed, between the holland sheets.” That song is sung by Altisidora [ahl-TEE-see-DOH-rah], who works for the duke and duchess who send this character on several adventures. This character is dedicated to Aldonza Lorenzo, a woman who knows little about his actions and whom he refers to as “Dulcinea del Toboso”. This character gets so focused on reading books of chivalry that he ignores the management of his property. Name this character who leads his “squire” Sancho Panza [pause] and attacks windmills in a novel by Miguel de Cervantes.

Answer: Don Quixote [or Alonso Quixano; accept any underlined name; prompt on Don]

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

<sup>TB</sup>22. This organ is not near the foot, but it goes from the inner to the outer canthus, and it is near tarsus connective tissue. This organ has a hyaloid [“HI”-uh-loyd] canal that connects the front of this organ to cranial nerve II by crossing this organ’s vitreous body. The limbus separates this organ’s sclera [SKLAIR-uh] from the front of this organ, which is where the cone cells and rod cells are located. The front of this organ is protected by the cornea, which covers the iris and pupil. Name this organ that contains photo-receptors that provide information for the optic nerve, allowing people to see.

Answer: eyes [accept eyelids or vitreous body before “vitreous”; do not accept “eyeball”]

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

<sup>TB</sup>23. During this month in 1965, Martin Luther King Jr. led a march from Selma to Montgomery, Alabama. This month is Multiple Sclerosis Awareness Month and Music in our Schools Month. This month contains the end of Pisces [“PIE-sees”] and the start of Aries [“AIR”-eez]. Casimir Pulaski Day and St. Patrick’s Day are in this month, as is the beginning of the NCAA basketball tournaments. Name this third month of the year.

Answer: March

***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.***