

# Scobol Solo 2022

## Packet 9 (Round 9)

1. When this person tried to get the 1880 Republican presidential nomination, his campaign manager James Garfield ended up winning the nomination. This person had been the Secretary of the Treasury under Rutherford Hayes. Because of this person's role in getting a conference committee agreement, he became the namesake of a law that increased government silver purchases. This person wrote a law that allows the Justice Department to sue anti-competitive companies. Name this brother of a prominent Civil War general who in 1890 wrote the first antitrust act.

Answer: John Sherman

2. The symmetric difference is sometimes called the disjunctive type of this operation and is equivalent to this operation applied to relative complements. If this operation is applied to an element and the power set of the element's relative complement, the result is a complete power set. If this operation is applied to a set  $A$  and the complement of  $A$ , the result is the universal set. If this operation is applied to a set  $A$  and the empty set, the result is just  $A$ . Name this operation that gives all of the elements in either or both of two sets, including the elements in the intersection.

Answer: set union

3. The leader of this country tried to put Mulu Nega in charge of one of its regions, but that region is led by Debretsion Gebremichael [duh-BRUTS-yohn gub-ruh-mee-kal]. There has been intermittent fighting and war crimes in that region over the past two years, with this country and its northern neighbor fighting the Oromo [OH-roh-moh] Liberation Army and Tigray [tuh-GRY] Defense Forces. Though this country does not border Egypt, Egypt is disputing the creation of a dam by this country on the Blue Nile. Name this country led by Abiy Ahmed [AH-bee AHK-med], who recently has been working cooperatively with its neighbors Somalia and Eritrea [air-ih-TREE-uh].

Answer: (Federal Democratic Republic of) Ethiopia

4. In one painting named for this type of object, the people on this object include a person in white playing a white lute and two servants embracing in front of some vegetation. In that painting, this type of object is followed by the pope, an emperor, and a king. Another painting named for this type of object is set at the boundary between Suffolk and Essex on the River Stour, which is being crossed by this type of object. In that painting, this object is pulled by three horses. Name this type of object that is in the center of a Hieronymus Bosch triptych and also is the title object of a John Constable painting.

Answer: hay wain [accept hay wagon; prompt on wain or wagon]

5. In a short story by this author, Joe Hynes reads a poem about the politician Charles Stewart Parnell to a group of political canvassers. That story by this author is “Ivy Day in the Committee Room”. In a novel by this author, the governess Dante Riordan breaks a brush with a green velvet back with Parnell’s name on it. The protagonist of that novel by this author later remembers his childhood with the names “Dante”, “Parnell”, “Clane”, and “Clongowes” [KLAHN-gohz]. In another novel by this author, a discussion over whether Parnell will return after his funeral is overheard by Leopold Bloom. Name this author of *Dubliners*, *A Portrait of the Artist as a Young Man*, and *Ulysses*.

Answer: James (Augustine Aloysius) Joyce

**Check the score.**

6. A graph that has this quantity on one of its axes is called a Mollier [maw-lee-er] diagram and often has entropy on the other axis. This quantity is conserved in a Joule-Thomson process. The change in this quantity equals the heat transferred into or out of the system in an iso-baric [“ice”-oh-BAIR-ik] process, which is true because pressure is held constant. The change in this quantity does not depend on the steps taken to get from the initial state to the final state according to Hess’s law. Name this quantity that equals internal energy plus the product of pressure and volume.

Answer: enthalpy

7. This person served as a Minister of Labor and Minister of Foreign Affairs under David Ben-Gurion, and a quote by this person inspired the novel *If Israel Lost the War*. This person was criticized for saying “There was no such thing as Palestinians” shortly after becoming the Prime Minister of Israel. This person authorized Operation Wrath of God, in which Mossad assassinated terrorists who carried out the massacre of Israeli athletes at the Munich Olympics in 1972. This person resigned after a report described intelligence failures leading up to the Yom Kippur War of 1973. Name this only female prime minister of Israel.

Answer: Golda Meir [or Golda Mabovitch; accept Golda Meyerson]

8. This goddess was the sister of Pasiphaë [pah-SIFF-uh-ee]. There are differing accounts as to whether this goddess or Amphitrite [am-fih-TRY-tee] turned Scylla [SILL-uh] from a beautiful creature into a monster. People could be protected from this goddess by using the herb moly. This goddess’s youngest child was Telegonus [teh-LEG-uh-nuss], who accidentally killed his father. This goddess could change people into animals, and she famously changed many people into swine. This daughter of Helios lived on the island Aeaea [ee-EE-uh]. Name this sorceress who for a time was a companion of Odysseus.

Answer: Circe [SIR-see]

9. The end of one poem by this writer asks “O what made fatuous sunbeams toil to break earth’s sleep at all?”. That poem, which this writer began “Move him into the sun”, is “Futility”. Another poem by this writer asks “What candles may be held to speed them all?” and begins by asking “What passing-bells for these who die as cattle?”. Another poem by this writer begins “Bent double, like old beggars under sacks.” That poem, set during World War I, describes a gas attack. Name this English poet who wrote “Anthem for Doomed Youth” and “Dulce et Decorum Est” [“DULL”-kay et day-KOR-um est].

Answer: Wilfred (Edward Salter) Owen

10. The first commercial transistor radio contained four transistors and one of these circuit elements. Transistors or these objects are used to make a frequency mixer. Simple logic gates can be made by combining transistors, resistors, and these objects. On the schematic drawing of a circuit, these objects are represented as a triangle with a segment at one vertex perpendicular to the wire. These electric circuit components conduct current primarily in one direction. Name these components that come in a light-emitting variant.

Answer: diodes

**Check the score.**

11. In a movie by this director, a character tells the story of Right Hand and Left Hand [pause] and appears to be throwing punches towards the audience. That character, who this director had wear jewelry that says “Love” and “Hate”, is Radio Raheem. Another film by this director was the first American film with footage from Mecca, and it includes cameo appearances by Nelson Mandela and Black Panther co-founder Bobby Seale. A recent movie by this director portrays four Vietnam War veterans going to Vietnam to find gold bars. Name this director of *Do the Right Thing*, *Malcolm X*, and *Da 5 Bloods*.

Answer: (Shelton Jackson) “Spike” Lee

12. This city is the burial place of martial arts movie star Bruce Lee and his son Brandon. Those graves are near Lake Union, whose southern shore is the site of this city’s Museum of History & Industry. Further southwest, this city contains the Chihuly [chih-HOO-lee] Garden and Glass [pause] and the Museum of Pop Culture, which are near the International Fountain and other structures built for this city’s 1962 World’s Fair, the most prominent of which is the Space Needle. This city is just east of Bellevue and just north of Tacoma on Puget Sound. Name this most populous city in the state of Washington.

Answer: Seattle, Washington

13. This person often fought with Elicio [ay-LEE-see-oh] Hernández until Hernández was killed while this person lost the Battle of Guerrero. This person fought against José Inés Salazar at the Battle of Tierra Blanca, but they later worked together. After being stopped at the Second Battle of Agua Prieta, this person was angered by U.S. aid to his enemies Plutarco Elías Calles [ploo-TAR-koh ay-LEE-ahss KY-“ace”] and Venustiano [veh-noo-stee-AH-noh] Carranza, so he attacked the U.S. This general opposed Porfirio Díaz and supported Francisco Madero in the Mexican Revolution. Name this fighter who raided Columbus, New Mexico and then escaped a raid by John Pershing.

Answer: (Francisco) “Pancho” Villa [or José Doroteo Arango Arámbula]

14. After people who theorized about the existence of this region before it was discovered, part of this region is called the Kennelly–Heaviside [“heavy-side”] layer. This region is studied by the High-Frequency Active Auroral Research Program. This region’s layers are often labeled “D”, “E”, and “F”. The lowest layer of this region is in the meso-sphere and exists only during the daytime, which is why radio signals are stronger at night. This region of Earth’s atmosphere exists because of ultraviolet radiation from the Sun. Name this region consisting of electrons and charged molecules.

Answer: ionosphere [“eye-ON-uh-sphere”]

15. This composer wrote a work to be played on one violin string, which Maurice Gendron arranged for one cello string. That work is *Variations on One String on a Theme from Moses by Rossini*. This composer’s best-known collection includes a piece in which two violin strings imitate a flute and two strings imitate horns; that piece is “The Chase” or “The Hunt”. Other pieces in that collection by this composer are nicknamed “The Devil’s Laughter”, “The Arpeggio”, and “The Trill”. Those pieces from the early 19th century are known for several difficult violin passages. Name this Italian composer of *24 Caprices* [kuh-PREE-suz] for Solo Violin.

Answer: Niccolò Paganini

### Check the score.

16. One writer from this country wrote a short story in which an astrologer wins a bet by saying that a man had been stabbed and left for dead. That story is in the collection *Malgudi Days*, which is set in a fictional city in this country. Several events in this country’s history form the backdrop of the novel *The Ministry of Utmost Happiness*. The same author wrote another novel set in this country in which Velutha must carefully give toys to Ammu so that they do not touch each other. That novel is critical of this country’s Love Laws and is entitled *The God of Small Things*. Name this country which R. K. Narayan and Arundhati [uh-ROON-duh-tee] Roy are from.

Answer: (Republic of) India [or Bharat (Ganarajya)]

17. In 2004, this country impeached and removed President Rolandas Paksas for granting citizenship to a donor. The only person to be re-elected as president of this country, and its only woman president, was Dalia Grybauskaite [dahl-YEH GREE-buss-“KITE”-yeh]. This country’s reform movement, Sajudis [SAH-yoo-diss], helped it gain independence from the Soviet Union. This country was a grand duchy in medieval times headed by the House of Mindaugas, when it contained much of what is now Belarus. Before the Third Partition of Poland, there were over 200 years in which this country was unified with Poland. Name this country south of Latvia whose capital is Vilnius.

Answer: (Republic of) Lithuania [accept Lietuvos (Respublika) or Lietuva]

18. This person wrote “Most of our decisions to do something positive... can only be taken as the result of animal spirits.” Roy Harrod—who wrote a biography of this person—and John R. Hicks developed this person’s ideas by comparing investment and saving to liquidity preference and money supply in the IS–LM [spell out] model. This person combined net exports with spending by households, businesses, and the government to find aggregate demand, which drives economies. Name this British economist whose *The General Theory of Employment, Interest and Money* described the government’s role in easing recessions.

Answer: John Maynard Keynes [“canes”]

19. Gene flow is often described as this action because species take this action during gene flow, which reduces population divergence. Sea turtle behavior is noteworthy for the extent to which the animals perform this action both just after birth and when they reach breeding age. The differential type of this behavior sometimes leads to winter segregation by gender within bird species. The Arctic tern is noteworthy for the length of this annual action, which takes it to the Weddell Sea. Name this significant movement that is often seasonal.

Answer: migration or migrating [accept migrate; prompt on descriptions such as movement or moving or traveling]

20. In one novel by this author, the protagonist gets a job in a brick factory in Kyiv [KEE-iv] after saving the life of a member of the Black Hundreds, which is an anti-Semitic group. This author based that novel on the case of Mendel Beilis [BAY-leess]. Another novel by this author begins on a train ride to Chicago on which the protagonist meets Harriet Bird, who later shoots him in the stomach. This author’s protagonist eventually becomes infatuated with Memo Paris, who often hangs out with the bookie Gus Sands. This author wrote that novel about the baseball player Roy Hobbs. Name this author of *The Fixer* and *The Natural*.

Answer: Bernard Malamud

***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. This person and John Dee studied under Gemma Frisius. This person’s work was popularized by Jodocus Hondius. This person, who lived between the time of Copernicus and Galileo, made detailed comments on Ptolemy’s [TAH-leh-mee’z] depictions of the Earth. This person devised a way to depict rhumb lines—that is, lines with constant bearing—as straight lines on a flat surface, which was then used to make marine charts. This German–Flemish person was the first person to use the word “atlas” for a book of maps. Name this geographer whose projections became commonly used world maps.

Answer: Gerardus Mercator [accept Gerard (de) Cremer or Geert (de) Kremer]

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

- <sup>TB</sup>22. Kazuo Ishiguro’s *The Buried Giant* is set shortly after the death of this person and features one of his envoys named Axl. In a 15th-century book about this person, his father-in-law is Leo-de-grance [LEE-oh-duh-granss], and his mother is Igraine. That book, written by Thomas Malory, describes Tintagel [tin-TAJ-ul] Castle being entered by this character’s father, Uther Pendragon. In the 20th-century book *The Candle in the Wind* by T. H. White, this character fights his son Mordred and is cheated on by his wife Guinevere. Name this legendary king of England who was taught by Merlin.

Answer: King Arthur (Pendragon)

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

- <sup>TB</sup>23. A 1986 comedy was titled for this number of *Amigos*, and a 2017 movie was titled for this number of *Billboards Outside Ebbing, Missouri*. In hockey, this number of goals by a player is called a “hat trick”. Name this closest whole number to pi.

Answer: 3

*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.*