

Scobol Solo 2015

Packet 6 (Round 6)



1. After this person died, his sons lost the Battles of Bassianae [bah-see-AN-ay] and Nedao [nay-dow], leading to the collapse of his empire. This person defeated Ar-neg-is-clus in what is now Bulgaria, but he did not have enough manpower to take Constantinople after winning the Battle of the Utus. This person was slowed down by a coalition that included Merovech, the grandfather of Clovis I [1] and father of the first Merovingian [mair-oh-VIN-jee-un] king. Theodoric I [1], a Visigoth king, died fighting this person at the Battle of the Ca-ta-lau-ni-an Plains, also known as the Battle of Châlons [shah-lawn]. Name this fifth century brother of Bleda [BLAY-duh] who ruled the Huns.

Answer: Attila the Hun

2. If one of these mathematical objects is made up of real numbers, it being Cauchy [koh-shee] is equivalent to it having a limit. Infinite examples of these entities can be subjected to the root, ratio, or integral test to determine if they converge. They can be defined recursively by a difference equation or recurrence relation. If one of these has a common ratio between -1 and 1 and is geometric, then it converges. Name these mathematical things that are called arithmetic [air-ith-MET-ik] if they are based on a common difference, and which are ordered lists of numbers.

Answer: sequences [accept series]

3. Bertrand Russell stated that if he saw God after he died, he would complain that there was not enough of this concept. In “Of Miracles”, David Hume said that wise men proportion their beliefs to this concept. Richard Dawkins said that public and verifiable examples of this concept are used by science to replace private prejudice. Movements by doctors or teachers explicitly incorporating research into their practices claim to be based on this concept. One of the legal burdens of proof is the “preponderance of” this concept. Name this concept that can be classified as incontrovertible when it proves an argument, or as corroborating when it supports an argument.

Answer: evidence

4. This novel claims that its protagonist is “self-ordained a Sister of Mercy”, and this novel’s title object becomes seen as “the taper of the sick-chamber.” The protagonist of this novel’s husband, who is compared to the devil, pretends to be a doctor after arriving in the United States. When that man arrived in Boston, he saw his wife on a scaffold with her new baby. That baby, who is later seen at the ages of three and seven in this novel, turns out to be the daughter of the local reverend, Arthur Dimmesdale. In this novel, Hester Prynne raises her daughter Pearl and is forced to wear the title object because she committed adultery. Name this novel by Nathaniel Hawthorne.

Answer: *The Scarlet Letter*

5. Tomaso Albinoni's concertos are all for either violins or these instruments, and this is the solo instrument in *Fantaisie on Popular French Themes* by Vincent d'Indy. Voice and this instrument are used in *Ten Blake Songs* by Ralph [rayff] Vaughan Williams. Some of these instruments are the Akademie model Wiener type, and this instrument is descended from the hautbois [HOH-boy]. The family of instruments named for this instrument includes the heckelphone and English horn. This instrument represents the duck in *Peter and the Wolf*. Name this instrument that, like a bassoon, is a double-reed woodwind.

Answer: oboe

Check the score.

6. Dorothy Gibson re-enacted her experiences during a movie about this event. This event led to the first well-publicized investigation by Lord Mersey. Bruce Ismay was heavily criticized after this event for ignoring warnings and for caring more about his own safety than that of others. Benjamin Guggenheim spent his final hour sipping brandy and smoking cigars when it happened, which was early in the morning on April 15th, 1912. Margaret Tobin Brown, who would later be known as Molly, insisted on returning to where this event happened to look for survivors. The people involved were going from Southampton, England to New York City. Name this event caused by an iceberg.

Answer: sinking of the RMS Titanic [accept similar answers that include Titanic and some relevant notion of a catastrophe]

7. Several probes of Mars measured both fluorescent X-rays and these particles using spectrometry to determine the chemical composition of items on the planet. One type of nuclear fusion reaction in stars is named for three of these particles. George Gamow [GAM-uf] used tunneling to explain the creation of these particles. When uranium decays into thorium, one of these particles is emitted. In the Rutherford experiment, these particles were shot into foil, leading to the discovery of the nucleus. Name these particles with a mass number of four, which consist of two protons and two neutrons and are equivalent to a helium nucleus.

Answer: alpha particle [accept longer answers, accept helium nucleus and prompt on helium before "helium"]

8. At the end of this play, Gratiano [grahsh-ee-AH-noh] succeeds the title character, and Lo-do-vi-co calls the villain a "Spartan dog". Earlier, the villain of this play tells the title character to beware of jealousy because it is a "green-eyed monster." That villain also tells a senator that the senator's daughter and the title character "are now making the beast with two backs." The title character in this play asks the villain to kill Cassio after seeing Cassio with a handkerchief that had belonged to Des-de-mo-na. Name this Shakespeare play in which Iago [ee-AH-goh] deceives the title character, who is in the Venetian army and is a Moor.

Answer: (*The Tragedy of*) Othello(, *the Moor of Venice*)

9. This painter showed two young men next to each other looking down and reading in *Reading the Letter*. This artist made a series of 58 paintings based on the Diego Velázquez painting *Las Meninas* [lahss may-NEE-nahss]. On the 350th anniversary of the novel *Don Quixote*, this artist sketched the two main characters riding their animals. He portrayed Pierrot [pyair-oh] playing a clarinet, Harlequin playing guitar, and a singing monk in the painting *Three Musicians*. Another painting by this artist shows a screaming horse next to a hand holding a candle and under a light bulb. Name this Spanish painter of *Guernica* [gair-NEE-kah] who went through “rose”, “blue”, and cubist periods.

Answer: Pablo (Ruiz y) Picasso

10. This modern-day country contains the ancient city Ossonoba [oh-soh-NOH-bah], now called Faro. The Falperra Church was designed by this country’s André Soares [soh-AR-ayss], who also designed several buildings in its city Braga. Tourists often visit the cellars in Vila Nova de Gaia [VEE-lah NOH-vah day “GUY”-uh], which is across the Douro [DOH-roo] River from the city Porto. This country used to control Cape Verde [kap vairt], and the autonomous archipelagos Madeira and the Azores [AY-zorz] are still part of it. Many explorers left from Belém in its capital, which is on the Tagus River. Name this country on the southwestern part of the Iberian peninsula, whose capital is Lisbon.

Answer: Portugal [or Portuguese Republic or República Portuguesa]

Check the score.

11. About 60 years before Mendeleyev’s [MEN-duh-LAY-iv’z] periodic table, this scientist included a table of elements in the book *New System of Chemical Philosophy*, using different circles to represent 20 elements and 17 compounds. The atomic mass unit is named for this man due to his work with atomic theory. One of the central tenants of stoichiometry [stoy-kee-AH-muh-tree] is this man’s discovery that elements combine in whole-number ratios. This discoverer of the law of multiple proportions also names a law stating that the amount of pressure a gas in a mixture exerts is proportional to its mole fraction. Identify this English chemist, the namesake of a law of partial pressures.

Answer: John Dalton

12. This U.S. president allowed spouses of veterans to enter the country when he signed the War Brides Act. He was in office when George Kennan wrote the Long Telegram about working with the Soviet Union, and his support of Greece and Turkey began his namesake doctrine. To weaken a Soviet blockade, this president ordered the Berlin Airlift. This president signed the United Nations Charter on the same day that the second atomic bomb was dropped on Nagasaki. Despite an erroneous headline in the *Chicago Daily Tribune*, this president won his election against Dewey. Name this president who succeeded Franklin Roosevelt.

Answer: Harry S. Truman

13. This state's flagship state university features Goldsmith Hall, designed by Paul Philippe Cret [fee-leep kray], and Sutton Hall and Battle Hall, designed by Cass Gilbert. Like New York, this state features a JP Morgan Chase Tower, with this state's being the tallest pentagon-shaped building in the world. Its Williams Tower, which was originally called Transco Tower, and Pennzoil Place were designed by Philip Johnson. The group Ant Farm half-buried ten cars in this state's panhandle to create its Cadillac Ranch. Its sports arenas include the American Airlines Center and the Astrodome. Name this state that is the home of the Alamo.

Answer: Texas

14. This person proposed the creation of "health marts" to lower the number of uninsured Americans in his book *The America We Deserve*. In 2012, this person promised to donate money to charity if President Obama published his college and passport applications. This person blamed an intern for a tweet claiming Iowans' brain problems are due to Monsanto products in corn. This person was criticized for telling a *Rolling Stone* reporter "Look at that face" in reference to Carly Fiorina. During his campaign announcement, this person said "They're rapists, and some, I assume, are good people" about Mexican immigrants. Name this billionaire presidential candidate who used to host *The Apprentice*.

Answer: Donald (John) Trump

15. In 2014, the Keck Observatory detected large storms on this planet. Previous storms on this planet include the Fourth of July fireworks from 2004 and the Berg, which dissipated in 2009. This planet's 12th and 13th rings were discovered by Hubble Space Telescope photos, and its ring system is considered the second most extensive in the solar system, after Saturn's. Its axial tilt is much closer to ninety degrees than that of other planets. A few of its moons are named for Alexander Pope characters, and the rest of them are named for Shakespeare characters. Name this planet that is the seventh from the Sun, between Saturn and Neptune.

Answer: Uranus

Check the score.

16. In one story by this writer, a man poses as a deaf-mute to get a job as a gardener at a convent. In another story by this writer, a priest convinces a married couple that he knows how to change a woman into a mare and vice versa. This author also wrote about the Marquis of Saluzzo [mar-kee "of" sah-LOOZ-zoh], who tells his wife that their two children have died and that he wants to marry somebody else, though the story ends happily for her. That story is narrated by Dioneo [dee-oh-NAY-oh]. This writer used seven women and three men to narrate a collection whose frame story is set near Florence. Name this writer who collected 100 stories in *The Decameron*.

Answer: Giovanni Boccaccio [joh-VAHN-nee boh-KAHT-choh]

17. Though this country does not include Ra·wal·pin·di, a treaty giving it independence was signed there. Nine years after this country gained independence, Bacheh Saqqāw led a revolt that ousted its first leader, Amanullah Khan. The Sawr Revolution assassinated this country's first president, Mohammed Da·oud Khan. When Leonid Brezhnev sent Soviet troops into this country, they were opposed by mu·ja·hi·deen rebels throughout the 1980s. Name this country invaded by the United States shortly after the 9/11 attacks where Hamid Karzai has been replaced as president with Mohammad Ghani.

Answer: Islamic Republic of Afghanistan

18. This god once gave as a gift a hunting dog who was always successful, Laelaps [LAY-laps]. This god ordered that Ixion [IKSS-ee-ahn] be chained to a fiery wheel after this god made the cloud Nephele [NEH-feh-lee] in order to trick Ixion. Hermes restored the sinews of this god after they were torn out. This god then trapped the monster Typhon ["TIE"-fahn] who had harmed him. This god was the father of Ares ["AIR-ease"]. After being tricked, this god had Pro·me·the·us chained to a rock, where an eagle repeatedly ate Prometheus's liver. This god took the form of a white bull to seduce Europa [yur-OH-puh] and the form of a swan to seduce Leda [LEE-duh]. His wife Hera was often jealous. Name this ruler of the sky who was the chief god on Olympus.

Answer: Zeus [or Jupiter]

19. This human organ contains Ito cells in its peri-sinus·oidal [PAIR-ee-"SIGN"-yoo-SOY-dul] space, where it uses them to store Vitamin A. This organ also produces serum albumin [al-BYOO-min], the most abundant protein in blood plasma. This organ contains macrophages called Kupffer cells, which are used by the body to remove dead red blood cells. This organ is where bilirubin [BIH-lee-roo-bin] is converted into bile, and people become jaundiced when that process is not working. The inflammation of this organ is called hepatitis. Name this organ important in blood detoxification, which becomes covered in scar tissue in alcoholics suffering from its cirrhosis [sih-ROE-sis].

Answer: liver

20. In one poem, this writer spoke of being "by the old Moulmein Pagoda, lookin' lazy at the sea". This poet also stated that there is no border "when two strong men stand face to face, though they come from the ends of the earth"; that line appears in a poem that states "East is East and West is West." This poet was accused of racism due in part to a poem advising "send forth the best ye breed." This writer of "Mandalay" and "The White Man's Burden" wrote about being a man if you can keep your head when others are losing theirs in "If". Name this poet who wrote *Just So Stories* and *The Jungle Book*.

Answer: (Joseph) Rudyard Kipling

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. Villages in this country several hundred years ago were known as bar·an·gays and were headed by datus [dah-TOOS]. A late-19th-century revolution in this country was halted by the Pact of Biak-na-Bato between Fernando Primo de Rivera of Spain and Emilio Aguinaldo, who later became this country's first president. During the Battle of Mactan in what is now this country, Ferdinand Magellan was killed. The People Power Revolution in 1986 removed Ferdinand Marcos from power a few years after he was accused of ordering the assassination of Benigno Aquino [beh-NEE-noh ah-KEE-noh]. Name this Pacific Ocean country that includes the island of Luzon [loo-ZAHN], which contains its capital, Manila.

Answer: Republic of the Philippines

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

TB22. Like poison dart frogs, the pitohui [PIT-oo-ee] genus in this class produces batrachotoxin [buh-TRAA-koh-"toxic"] alkaloids. Members of this class use syrinxes [SEER-ink-siz] for vocalization. The now extinct great auk was in this class of animals. Charles Darwin is the namesake of a family of these animals characterized by allopatric speciation. Animals in this class have gizzard stones in their gizzards. Archaeopteryx [ark-ee-AHP-tur-iks] and other dinosaurs are early species of them. These vertebrates can store their food in crops before digesting it. Name this class of animals that includes emus, ostriches, sparrows, and pigeons.

Answer: birds [or aves, prompt on finches]

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

TB23. This state's governor is Rick Scott. This state's senators are Bill Nelson and Marco Rubio. This state is south of Georgia. Name this state whose cities include Jacksonville, Tallahassee, and Miami.

Answer: Florida

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.