

2019 Boston Latin Invitational Scholastic Series (BLISS) I Round 8

Head Edited by Christy Jestin and Nicholas Weiske; Literature Edited by Kelin Carpenter; Written by Lucas Aho, Samuel Cheever, Kyler Hoogendorn Ecker, Aidan Goldberg, Jerry Han, Christy Jestin, David Liu, Kevin S. Qi, Sebastian Suarez, Joseph Terrey, Austin Wang, Nicholas Weiske, Alice Wu, Lily Yang, and Alex Young

Tossups

- 1. The San Remo Cafe was frequented by members of this movement. One author from this movement wrote a poem about his mother Naomi and her death on June 9. That author from this movement met his lover, Peter Orlovsky, soon before writing his most famous poem, a (*) “lament for the Lamb” in which he ceaselessly describes “Moloch”. This movement was centered on Greenwich Village, and it was characterized by alienation from “square” society. For 10 points, name this American literary movement exemplified by authors such as Jack Kerouac and Allen Ginsberg.**

Answer: **the Beat Generation or the Beatniks**
- 2. Sprigs of hemlock were used to identify this event’s participants, many of whom marched on the Middlesex County Courthouse. Governor Hancock provided the militias under William Shephard and James Bowdoin that put down this revolt. The results of this event prompted the saying “A little rebellion (*) every now and then is a good thing”. Although John Bly and Charles Rose were executed, the government shut down debt collection courts and provided a \$20 stipend to veterans. For 10 points, Job Shattuck led what Massachusetts rebellion which exposed the weakness of the Articles of Confederation?**

Answer: **Shays’ Rebellion**
- 3. Coenzyme Q10 is reduced twice to ubiquinol in this process. In that same step, succinate is also converted to fumarate by the action of succinic dehydrogenase, and FAD is reduced to FADH₂ (read as “F-A-D-H-2”) before being oxidized in a different process back to FAD. The first step of this process involves the reaction between oxaloacetate and (*) acetyl-CoA (read as “Co-A”) in order to make the namesake molecule. For 10 points, name this cycle in cellular respiration that produces NADH and is sometimes named for a German-born biochemist.**

Answer: **Krebs cycle or citric acid cycle or TCA cycle (cycle not needed after mention in line 5)**
- 4. One member of this art movement tried his hand at film by recording the Empire State Building in *Empire* and John Giorno in *Sleep*. That man was known for wearing a silver wig and created the *Silver Car Crash*. Another work in this movement shows a mouse stifling laughter and a duck happily looking down into water. That work named *Look Mickey* was by the artist of (*) Whaam! An aforementioned artist in this movement had a studio named The Factory. For 10 points, name this art movement focused on mass culture, which included artists like Roy Lichtenstein and Andy Warhol.**

Answer: **pop art**
- 5. Marienplatz is this city’s central square, and the river Isar borders this city, which hosted the 1972 Summer Olympics. Black September killed 11 athletes in this city. A circular building in this city is inhabited by a BMW car museum. It’s not Dresden, but this city’s best known cathedral is the (*) Frauenkirche. Allianz Arena hosts games for the namesake soccer team of this city. The failed Beer Putsch of 1923 occurred in this city known for its large Oktoberfest celebrations. For 10 points, name this German city in Bavaria.**

Answer: **Munich (or München)**

6. **These entities interact with certain aromatic pi electron systems to form a namesake interaction. When dealing with isoelectronic species, these generally appear larger than their counterparts. The definition of an Arrhenius acid is based on the formation of one of these. Mohr's salt contains two of these, as do many (*) double salts. Carbon will often form one of these as a transition state, being most stable as a tertiary one. In salts, metals will become these, while nonmetals will become their counterparts. For 10 points, name these positively charged ions, contrasted with anions.**
Answer: **cations** (prompt description likes **positively charged ions** before it is read)
7. **This author's pseudonym was formed by combining the first names of the authors Conrad and Chekhov. The title of a work by this man refers to a section of the Quran about three Pagan Meccan goddesses. Parvati and Saleem are among the title people in one work by this man. Those people with special abilities were all born in the last (*) hour of August 15, 1947. In another work, a bombed plane had Saladin Chamcha and Gibreel Farishta on board. Ayatollah Khomeini issued a fatwa against this man for that work. For 10 points, name this British-Indian author of *Midnight's Children* and *Satanic Verses*.**
Answer: **Salman Rushdie**
8. **This composer wrote *Les Noces* (Lay Nos) during his Russian period and *Canticum Sacrum* during his serial period. He experimented with dodecaphony in the work *Agon*. During this composer's neoclassical period, he wrote *The Rake's Progress* and *Symphony of Psalms*. This composer's affair with Coco Chanel was very short. Diaghilev's (Dee-a-guh-lev) (*) Ballets Russes performed this man's works including *Petrushka* and *The Firebird*. One work by this composer has an unusually high bassoon intro and caused riots after a pagan ritual sacrifice dance shocked viewers. For 10 points, name this Russian composer of *The Rite of Spring*.**
Answer: **Igor Stravinsky**
9. **One of these animals is forced to live on land cursed by a sage so that he is safe from the king. He later takes Tara, the queen of these animals, as his wife and makes her son Angada the prince. Later on, Tara appeases Lakshmana, who was angry about the inaction of these animals. The former king, Vali, was presumed dead after fighting Mayavi and was also a son of (*) Surya. These animals known as vanaras were led by Sugriva and helped one man reach Sita by building a bridge to Lanka. Another lifts an entire mountain to bring back an herb. For 10 points, name these primates exemplified by Hanuman.**
Answer: **monkeys** (accept **vanaras** before mention)
10. **The Years of Lead is a series of conflicts between communists and far right organizations in this country. A movement called Cathedrals in the Desert sought to industrialize the poor and agricultural southern portion of this country. Napoleon III's failed assassin was a member of the (*) Carbonari, a group supporting the independence of this nation. A victory at Solferino led to an Austrian defeat and the conquest of Lombardy in this country. For 10 points, name this nation unified by the former king of Sardinia Piedmont, Victor Emmanuel II, with its capital in Rome.**
Answer: **Italy or Italia** (do not accept or prompt on any answer relating to **Sardinia Piedmont**)
11. **In this novel, a television broadcast covers the systematic relocation of the "Children of Ham" to the Midwest. This novel's name is created by Professor Pieixoto after transcribing cassette tapes. In this novel, the Sons of Jacob overthrow Congress and form a totalitarian state called (*) Gilead. The narrator of this novel serves as the concubine of the Commander and has an affair with Nick of the Mayday movement. For 10 points, name this novel by Margaret Atwood that satirizes fundamentalism through the protagonist Offred.**
Answer: ***The Handmaid's Tale***

12. **Guido van Rossum began developing this language as a hobby in 1989. This language's predecessor was a teaching language called ABC. Many aspects of this language were introduced in an attempt to make it easy to learn and understand. Contrary to popular belief, this language's name is actually taken from the name of a comedy group. This programming language is widely (*) accepted as the best option for scripting. A key design philosophy of this language emphasizes easily readable code, and indentation is an essential part of every program. For 10 points, name this programming language that shares its name with a family of snakes.**

Answer: Python

13. **In one of this religion's central texts, two men argue about celebrating the death of a wife and the happiness of fish. That book is named for its author. This religion's founder may have written its central book while travelling west on a water buffalo. One of this religion's leader, (*) Zhuangzi, did not know if he dreamt that he was a butterfly or if a butterfly dreamt it was him. This religion advocates for action without action or wu wei. For 10 points, name this Chinese religion and school of thought founded by Laozi that follows "The Way".**

Answer: Taoism

14. **Brumidi painted this city's namesake with the goddess Victory. This city is the original location of a giant sculpture on the waterfront with two metal arms, a head, and a knee emerging out of the ground. That work is The Awakening by Seward Johnson. I.M. Pei designed the Modernist East Building of an art museum in this city, where William (*) Thornton designed a domed building. Daniel Chester French designed a seated statue in this city. For 10 points, name this city home to an obelisk of the same name, the U.S. Capitol building, and the Lincoln Memorial.**

Answer: Washington, D.C. (accept either underlined portion; also accept District of Columbia)

15. **This city's King Nabis led an uprising against the Romans. A battalion of gay lovers played an important role in the defeat of this state at the battle of Leuctra. An older name of this city comes from its mythical founder Lacedaemon. The Perioikoi did all trading for this city because its male citizens were drafted into the army at 20 to undergo the (*) agoge military education system. This city reached its apex after defeating the Delian League. For 10 points, name this Greek city-state Leonidas led against the Persians at Thermopylae.**

Answer: Sparta

16. **After a tragic event in Belgium in 1985 caused by this team's fans, all English clubs were temporarily banned from European competition. That event in Heysel Stadium killed many Juventus fans. This team remembers the victims of the Hillsborough disaster with the number 96 on their jerseys. In Istanbul, this team came back from down 3-0 against AC (*) Milan to win the 2005 Champions League Final. In 2018, they lost to Real Madrid in the Champions League Final. For 10 points, name this Premier League team for which Stephen Gerrard, Xabi Alonso, Luis Suarez, and Mohamed Salah have played.**

Answer: Liverpool F.C.

17. **This work attacks the virtueless and excessive brutality of Agathocles of Syracuse. This book claims that Moses killed many dissenters, but it praises the abilities of Pope Alexander VI's son. This work contrasts conquest by virtue and by fortune, and it warns against the use of mercenaries. A chapter by chapter rebuttal to this work was written by (*) Frederick the Great. This book's ideas are repeated in a later work, *Discourses on Livy*. This book argues that the title figure should be feared rather than loved. For 10 points, name this political treatise about an ideal version of the title person by Niccolo Machiavelli.**

Answer: *The Prince*

18. **This man's middle name comes from the Confederate general who led forces at Fort Sumter and the First Battle of Bull Run. This man's quiet war on drugs included rolling back the earlier Cole memo and tightening application of federal marijuana laws. This man is named for Confederate leader, (*) Jefferson Davis. This man's replacement has been linked to the scam company World Patent Marketing. This man is frequently portrayed by Kate McKinnon on SNL. This man's self recusal from the Mueller investigation infuriated President Trump. For 10 points, name this former U.S. attorney general.**

Answer: **Jefferson Beauregard Sessions III**

19. **A sequel to this work by Rudyard Kipling was published with the Prologue to General Hamley. Written in dactylic dimeter, this work answers the question "is there a man dismayed" and asks if glory can (*) fade. This poem was written about 600 soldiers during the battle of Balaclava. "All the world wondered and volleyed and thundered" in this poem that begins "half a league, half a league". For 10 points, name this poem about a Crimean War battle by Lord Alfred Tennyson.**

Answer: **"Charge of the Light Brigade"**

20. **Mikael Agricola brought Protestantism to this country. Its monarchy was ousted in 1918 during a civil war between the White and Red Guards. This nation's currency, the marka, was replaced by the euro in 2002. Urho Kekkonen, its longest serving Prime Minister, led this neutral nation during the Cold War. Gustaf (*) Mannerheim planned extensive delaying tactics called Motti to delay a foreign advance. Russia conquered developed land in Karelia during the Winter War. For 10 points, name this Nordic country with capital at Helsinki.**

Answer: **Republic of Finland** (accept **Sweden** until 1918)

21. **In the Clausius-Clapeyron equation, the derivative of this quantity over the derivative of temperature is the slope of the coexistence curve. The dynamic form of this quantity is given by density times flow speed squared over two. A device to measure this quantity using a 760 millimeter column and mercury was invented by (*) Torricelli, and he also names a unit for this quantity, the torr. The total form of this quantity is the sum of the atmospheric and gauge varieties. This quantity can be measured in pounds per square inch or pascals. For 10 points, name this quantity of force per unit area.**

Answer: **pressure**

Bonuses

1. This 50 ton steel statue is in front of the Kluczynski (kloo-Sin-skee) Federal Building in Chicago. For 10 points each:
 - a. Name this vermilion colored stabile named for a bird.
Answer: **Flamingo**
 - b. *Flamingo* is by this American artist known for his mobiles such as *Lobster Trap* and *Fish Tail*.
Answer: **Alexander Calder**
 - c. This other Calder work is now in the Seattle Art Museum's Olympic Sculpture Park. This other red sculpture is also named for a bird.
Answer: **Eagle**
2. Answer some questions about parts of angiosperms or flowering plants. For 10 points each:
 - a. This male reproductive part is contrasted with the pistil. This part is responsible for pollen production.
Answer: **stamen**
 - b. Though not the filament, this part of the stamen contains pollen in flowers.
Answer: **anther**
 - c. The stamen and pistil are often surrounded by these modified leaves. These structures are often bright and colorful to attract pollinators.
Answer: **petals** (or **corolla**)
3. Who's that Pokemon? For 10 points each:
 - a. This yellow electric-type Pokemon is Ash's main companion in the anime.
Answer: **Pikachu**
 - b. This first-generation Pokemon has eight different evolutions including Leafeon and Umbreon.
Answer: **Eevee**
 - c. When exposed to a Thunder Stone, Eevee evolves into this Pokemon.
Answer: **Jolteon**
4. Answer the following about the American Mafia. For 10 points each:
 - a. This is the name of the collection of Italian mob families that dominated illegal activities in their heyday. This name means "our thing" in Italian.
Answer: **La Cosa Nostra**
 - b. This mobster was the first boss of the Genovese crime family. With his partner Meyer Lansky, this man ran the New York bootlegging racket, importing hard liquors from across the world.
Answer: **Charles "Lucky" Luciano** (loo-Chah-noh) (accept either underlined portion)
 - c. This award winning movie directed by Martin Scorsese follows a fictionalized Henry Hill, responsible in part for the Lufthansa heist and an associate of the Lucchese crime family.
Answer: **Goodfellas**
5. Name these works by Ernest Hemingway. For 10 points each:
 - a. In this most famous work, the fisherman Santiago struggles to catch a large marlin off the coast of Cuba.
Answer: **The Old Man and the Sea**
 - b. In this novel, the main character kills Anselmo when he blows up a bridge, after which he says goodbye to his love Maria. This novel is set during the Spanish Civil War.
Answer: **For Whom the Bell Tolls**

- c. Hemingway wrote this memoir about his time in Paris during the 1920s. It depicts locations such as Gertrude Stein's salons and James Joyce's favorite oyster cafe.

Answer: **A Moveable Feast**

6. People religiously ask questions outside of quizbowl all the time. For 10 points each:

- a. In this branch of Buddhism, adherents ask answerless questions called koans to gain insight. Zazen is a type of meditation central to this branch.

Answer: **Zen Buddhism** or **Chan Buddhism**

- b. The 4 questions are asked during this dinner on Passover. During this meal, the Haggadah is read, and matzah is eaten.

Answer: **Passover Seder**

- c. After killing Abel, Cain says he doesn't know where Abel is and responds to God with this question. This first person questions asks if Cain is a certain person.

Answer: **"Am I my brother's keeper?"** (accept obvious equivalents)

7. This location serves as the setting for a couple novels. For 10 points each:

- a. This fictional Missouri town in *The Adventures of Tom Sawyer* is loosely based on the town of Hannibal in the same state.

Answer: **St. Petersburg**

- b. This tough widow takes in Huck in another novel based in St. Petersburg. She attempts to civilize him after his years with his alcoholic and abusive "Pap".

Answer: **Widow Douglas**

- c. This American author wrote both *The Adventures of Tom Sawyer* and *The Adventures of Huckleberry Finn*.

Answer: **Mark Twain** or **Samuel Langhorne Clemens**

8. Jeff Bezos has been getting pretty jacked lately, but his wallet is still probably more swole than his arms. For 10 points each:

- a. This premium Amazon service allows subscribers to have items shipped to their house in two days.

Answer: **Amazon Prime**

- b. This Amazon service provides cloud-computing platforms to subscribers, satisfying the demand for functions such as networking, storage, and analytics.

Answer: **Amazon Web Services** or **AWS**

- c. In addition to Queens, Amazon picked this Virginia neighborhood near Arlington to set up one of its two new headquarters on the East coast.

Answer: **Crystal City**

9. Answer some questions about former Nazi officials. For 10 points each:

- a. This architect, known as "the Nazi who said sorry", was the Minister of Armaments during the war and thereafter wrote two books about his time serving Hitler.

Answer: **Albert Speer** (shPeer)

- b. This publicist, who founded the newspaper *The Assault*, was known as the Marat of Red Berlin for his anti-communist sentiments. He served as the Plenipotentiary for Total War under Hitler.

Answer: **Joseph Goebbels** (ger-Bels)

- c. Hannah Arendt wrote about this man in a book titled (*this man*) in *Jerusalem*. He was on trial after being captured in Argentina for involvement in the transportation of Jews to concentration camps.

Answer: **Adolf Eichmann** (Aik-men)

10. These bodies are contained by event horizons. For 10 points each:

- a. Name these extremely dense bodies which prevent even light from escaping.

Answer: **black holes**

- b. This type of radiation may cause black holes to evaporate. This type of black body radiation leaks particles and is named for the astrophysicist who theorized it.

Answer: **Hawking radiation**

- c. This theorem states that the only observable properties of a black hole are mass, charge, and angular momentum.

Answer: **no-hair theorem** or **no-hair conjecture**

11. This poem was found by Alice during her encounter with the White King and Queen. For 10 points each:

- a. Name this nonsense poem about the murder of the namesake monster.

Answer: **“Jabberwocky”**

- b. “Jabberwocky” is in *Through the Looking-Glass*, a sequel to this Lewis Carroll novel about a girl named Alice who falls down a rabbit hole.

Answer: **Alice’s Adventures in Wonderland** or **Alice in Wonderland**

- c. This man used the pseudonym Lewis Carroll to publish *Alice’s Adventures in Wonderland*. There has been much debate over whether his relation with the real Alice, daughter of Dean Liddell, was pedophilic.

Answer: **Charles Lutwidge Dodgson**

12. This man’s namesake law states that identical objects must have all the same properties. For 10 points each:

- a. Name this German thinker, who is better known for independently inventing calculus.

Answer: **Gottfried Leibniz**

- b. Leibniz proposed that the world was made up of these independent “windowless” simple substances. One of his works is titled for the namesake -ology of these things.

Answer: **monads**

- c. Voltaire parodied Leibniz’s optimistic idea of the best of all possible worlds in this teacher from *Candide*.

Answer: **Dr. Pangloss**

13. Muslim leagues have had major political influence in South Asia beginning with the All India Muslim League. For 10 points each:

- a. Although he was initially a proponent of Hindu-Muslim unity, Muhammed Ali Jinnah later advocated for the creation of this Muslim state. He became the governor-general of this country after independence.

Answer: **Islamic Republic of Pakistan**

- b. The PML-N is a conservative Pakistani offshoot of the league led by this namesake 3 time former prime minister. He and his daughter Maryam were convicted on corruption charges in July 2018.

Answer: **(Mian Muhammad) Nawaz Sharif** (accept either underlined portion)

- c. In addition to the Muslim League, Gandhi also initially supported the Khilafat movement, which supported this state seen by many as the caliphate. This Central Power was eventually abolished by Mustafa Kemal.

Answer: **Ottoman Empire** (do not accept or prompt on **Turkey**)

14. Pencil and paper ready. You will have 10 seconds per bonus. Consider a circle O with a radius seven units long. For 10 points each:

a. Find the area of circle O in terms of π (read as “pi”).

Answer: **49π units²** or **forty-nine pi square units** [$A=\pi r^2$ $A=\pi \cdot 7^2=49\pi$]

b. Consider an arc AC of circle O measuring 60° . Find the length of the chord AC.

Answer: **7 units** or **seven units** [Constructing radii from O to A and C forms an equilateral triangle]

c. Consider a point B on circle O but not on arc AC. Find the measure of $\angle ABC$ (read as “angle A-B-C”). Consider the relationship between the inscribed angle and the central angle.

Answer: **30°** or **$\pi/12$ radians** [$60^\circ/2=30^\circ$: an inscribed angle has measure half the central angle for an

arc]

15. If the Earth was flat and had no curves, there would be no polar bears. Answer these questions about polar curves. For 10 points each:

a. These simple polar curves have equations of the form $r=a$ where a is a constant. That equation reflects the uniform radius of these round shapes.

Answer: **circles**

b. These shapes come in the logarithmic and Archimedean varieties. The Archimedean variety has the form $r=a+b\theta$ [read as “r equals a plus b theta”. These shapes begin at the origin and move indefinitely toward the edges of the graph.

Answer: **spirals**

c. These curves have the form $r^2=a^2\cos(2\theta)$ [read as “r squared equals a squared times cosine of two theta”]. These figures resemble figure eights.

Answer: **lemniscates**

16. Name these queens of Greek myth. For 10 points each:

a. This Spartan queen and wife of Menelaus caused the Trojan War when she eloped with Paris. She is known as “the face that launched a thousand ships”.

Answer: **Helen**

b. This Trojan queen and wife of Priam was given as a slave to Odysseus. This woman later became a dog after blinding her son’s killer.

Answer: **Hecuba** or **Hecabe**

c. This Mycenaean queen and wife of Agamemnon took a lover named Aegisthus after hearing about her husband’s new wife.

Answer: **Clytemnestra**

17. Could you come up with 1001 stories? For 10 points each:

a. In one *Arabian Nights* stories, this boy uses a lamp with the help of a genie. That story inspired a namesake Disney movie whose protagonist shares this name.

Answer: **Aladdin**

b. This man discovers a den of forty thieves, but his brother Cassim finds out. He is helped by the slave Morgiana, and this man lends his name to a Chinese ecommerce company.

Answer: **Ali Baba** or **Alibaba**

c. One of these people discovers an angry genie in a jar and tells the story of Sage Duban, while another sells a woman in a chest to the Caliph in “The Three Apples”. A third named Abdullah discovers an underwater people after gaining the ability to breath.

Answer: **fishermen** or **fisherman**

18. This man killed his heir in a rage, leading to the ascension of the incompetent Feodor Ivanovich to the throne and kicking off the Time of Troubles. For 10 points each:
- This Russian ruler used the Oprichnik secret police to assassinate his opponents. This monarch was the first to take the title of tsar and is known by a nickname which actually means that he should be feared.
Answer: **Ivan IV** (or **Ivan the Terrible**; prompt on **Ivan**)
 - Ivan IV ordered the sacking of this city. This city was the former capital of a wealthy merchant republic of the same name and had once been ruled by Alexander Nevsky.
Answer: **Novgorod**
 - Feodor Ivanovich was the last tsar of this Russian dynasty. This dynasty's founder was a Viking prince who was invited to rule the Kievan Rus.
Answer: **Rurikid** or **Rurik**
19. Name some allotropes of carbon. For 10 points each:
- This most stable form of carbon appears naturally as a mineral and is mixed with clay in pencil "lead".
Answer: **graphite**
 - This extremely versatile cylindrical allotrope comes in single wall and multi wall variations. These allotropes have been used in Damascus steel.
Answer: **carbon nanotubes** or **buckytubes** (prompt on **cylindrical fullerene**)
 - This spherical allotrope of carbon has formula C_{60} (read as "C-60").
Answer: **buckyballs** (or **buckminsterfullerenes** or **spherical fullerene**)
20. Five players can be a handful, but they're also mighty if you use them right. For 10 points each:
- This member of The Five or the Mighty Handful created the piano suite *Pictures at an Exhibition* after being inspired by Victor Hartmann.
Answer: **Modest Mussorgsky**
 - This composer's *Tale of Tsar Saltan* includes the section "Flight of the Bumblebee". His other works include *Scheherazade* and *Spanish Caprice*.
Answer: **Nikolai Rimsky-Korsakov**
 - This man is known as the leader of The Five. His works include the difficult piano piece *Islamey* and the tone poem *Tamara*.
Answer: **Mily Balakirev**
21. The Polynesian triangle is a diverse cultural hub in the Pacific Ocean. For 10 points each:
- This corner island of the Polynesian triangle is part of Chile and is known for its monolithic moai (Moh-ai). An alternate name of this island is from a Christian spring holiday.
Answer: **Easter Island** or **Rapa Nui**
 - This American territory with capital at Pago Pago neighbors a nation with capital at Apia. Despite lacking birthright citizenship, it has the highest enlistment rate of any state or territory in the U.S.
Answer: **American Samoa**
 - This island nation east of Fiji is a constitutional monarchy with capital at Nuku'alofa. It's main island's name is formed by this nation and the word tapu. This nation is also known as the "Friendly Islands".
Answer: **Kingdom of Tonga**