

2019 Boston Latin Invitational Scholastic Series (BLISS) I Round 10

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Tossups

1. **At the end of one of his works, this man details the Spindle of Necessity and a man's trip to the Underworld in the Myth of Er. Stephanus pagination is used in this man's dialogues. Aristophanes explains that Zeus split humans in half in this man's *Symposium*. The chariot allegory in *Phaedrus* explains this man's theory of the tripartite (*) soul. He proposed a theory of forms and created the allegory of the cave. This man taught students at the Academy and argued for philosopher kings in *The Republic*. For 10 points, name this Greek philosopher and student of Socrates.**

Answer: **Plato**

2. **One character in this play meets with the paperboy after delivering twin babies. That paperboy earned a scholarship to study at MIT but is killed during World War I. That kid's younger brother Si meets Howie Newsome as he delivers milk and they discuss with (*) Constable Warren and an upcoming marriage. Simon Stimson gives a speech about the "ignorance and blindness" of existence. George Gibbs weds his childhood sweetheart Emily Webb in this play narrated by the Stage Manager. For 10 points, name this Thornton Wilder play about the town of Grover's Corner.**

Answer: **Our Town**

3. **Thomas McClintock read from the Blackstone Laws at this event, which was held in part at his house. The heads of this event were not permitted to participate in the World Anti Slavery Conference in London, leading to this conference, which Horace Greeley described as "but the assertion of a natural right". Held at a Wesleyan church, (*) Lucretia Mott and Elizabeth Cady Stanton organized this event that resulted in the *Declaration of Sentiments*. For 10 points, Frederick Douglass participated in what convention calling for women's rights?**

Answer: **Seneca Falls Convention**

4. **This man was with Silas during an earthquake, but unlike the other prisoners, he refused to escape when the doors opened. This man and his companion Barnabas were mistaken for Hermes and Zeus after a miracle. This native of Tarsus rebuked a leader for not eating with Gentiles at (*) Antioch. This Jewish Roman citizen persecuted Christians until he heard the words "Why do you persecute me?". That incident on the road to Damascus blinded this man, who was formerly called Saul. For 10 points, name this apostle who wrote several letters to early Christian communities.**

Answer: **St. Paul** (accept Saul before mention)

5. **Both the item and its owner are necessary:
The owner of this weapon used it to kill the eagle which ate Prometheus' liver every day. The owner received the golden cup of Helios as a boat after daring to threaten him with this weapon. The owner used bronze castanets to bring out the Stymphalian birds before killing them with this weapon and, he used this weapon to kill the three bodied (*) Geryon. Philoctetes later used this weapon at Troy. This weapon was dipped in the Hydra's blood and helped the owner complete his twelve labors. For 10 points, name this weapon used to shoot enemies by their very strong demigod owner, a famous son of Zeus.**

Answer: **Heracles' bow and arrows** or **Hercules' bow and arrows** (prompt on partial answer; accept either bow or arrows)

6. **This woman says that a hat belongs to the maid Bertha to insult her husband's Aunt Julie, and she is irritated by Julie's hints of this woman's possible pregnancy. This daughter of a general is asked to keep an eye on a man who wrote about the "domestic industries of Brabant" and later gives him a pistol. Judge (*) Brack blackmails this woman after he finds out that she drove that man to suicide and burned his manuscript. That man worked with Mrs. Elvsted and is named Eilert Løvborg. For 10 points, name this manipulative wife of George Tesman who titles a Henrik Ibsen play.**
 Answer: **Hedda Gabler** (accept either underlined portion; accept **Hedda Tesman** before mention)
7. **Many of this city's buildings have large purposeful holes called dragon gates. Mountainous land and government policy force many people to live in cage or coffin homes due to living costs. Trams are a remnant of colonial rule in this city's Victoria Peak. On this city's Kowloon Peninsula, the high crime rate walled city was destroyed. The Bank of China (*) Tower's very sharp angles are blamed for bad luck in the area, and the nearby HSBC has cannons aimed to reflect the poor feng shui on its roof in this city. For 10 points, name this island near Shenzhen and Macau which the British returned to China in 1997.**
 Answer: **Hong Kong Special Administrative Region of the People's Republic of China** (or **Xianggang** or **Heung Gong**)
8. **A child cuts pictures from a magazine and requests to go to the title location. A character describes the mother of that boy as being "no more aware of her beauty than a child". That man, Mr. Bankes, maintains a relationship with a woman who recalls (*) Mr. Tansley saying women can't paint. That woman, Lily Briscoe, finishes her painting of the title object just as Cam, James, and Mr. Ramsay arrive at it. For 10 points, name this three part novel about the Ramsay family's journey to the title location.**
 Answer: **To the Lighthouse**
9. **A "loveday" and the following Acts of Accord were a botched attempt to end this war. The Duke of Clarence won the Battle of Edgecote Moor with help from Richard Neville. Henry VI was captured at the Battle of Northampton by the Earl of Warwick, also known as the kingmaker, during this war. A complete parhelion at the battle of (*) Mortimer's Cross frightened some of its winning soldiers. This war came to an end when Elizabeth married Henry VII of a family represented by a red flower. For 10 points, name this 15th century feud between the noble families of York and Lancaster in England.**
 Answer: **War of the Roses**
10. **Enterochromaffin-like cells in this organ produce histamine. Pernicious anemia is caused by an inability to absorb vitamin B-12 since the intrinsic factor is not being produced by this organ's parietal cells. This organ's chief cells produce pepsinogen, which becomes the enzyme (*) pepsin. The parietal cells also produce hydrochloric acid. The pyloric sphincter connects this organ to the duodenum of the small intestine, and this organ releases chyme into the small intestine. For 10 points, name this muscular organ which receives food from the esophagus.**
 Answer: **stomach**
11. **Though not Prokofiev or Britten, this composer wrote a piece at the request of Paul Wittgenstein. That piece is the *Piano Concerto in D for the Left Hand*. *Daphnis and Chloe* is a ballet by this composer. This composer included "Feria" and a "Prélude a la nuit" in (*) *Spanish Rhapsody*. This man's most famous work was originally commissioned as a ballet by Ida Rubinstein. That piece begins with a flute solo, and a melody in C is repeated over a continuous snare drum ostinato. For 10 points, name this French composer of *Bolero*.**
 Answer: **Maurice Ravel**

12. **John Wright and Thomas Percy were both involved in planning this event. A letter from Francis Tresham exposing this plan was obtained by Robert Cecil. In an HBO mini series detailing the lead up to this event, Kit Harington plays a conspirator who exposes the plot in a religious (*) confession to Henry Garnet. Bonfire Night commemorates this event by burning a twig effigy of one of its participants. One conspirator gave his name as John Johnson while under interrogation. For 10 points, Guy Fawkes led what failed attempt to take the life of James I by blowing up the House of Lords?**

Answer: **Gunpowder Plot**

13. **In the game Borderlands 2, a gun shoots out this item, which then explodes into three smaller versions of this item upon impact. In Kingdom Hearts, Sora wields this item, which is also in the shape of a key. Honedge is a Pokemon that resembles this item. In Fortnite, the legendary form of these items include the (*) Slice n' Dice, the Husk Cleaver, and the Pressure Cutter. The character Genji from Overwatch carries this weapon, as does Cloud Strife from Final Fantasy. For 10 points, name this bladed melee weapon which is usually longer than a dagger.**

Answer: **sword**

14. **The title character of this work receives the yellow book *Against Nature* and makes nine differently colored copies after reading it. A character returning from Australia overhears another calling the protagonist “Prince Charming” and resolves to kill him. That character, (*) James Vane, then dies at a hunting range. After a lackluster performance in *Romeo and Juliet*, the main character’s love interest kills herself. Lord Henry poisons the mind of the title character. For 10 points, name this novel by Oscar Wilde about the libertine namesake character who kills Basil Hallward.**

Answer: **The *Picture of Dorian Gray***

15. **This physicist’s namesake slash notation simplifies Dirac fields. With John Wheeler, this man developed a namesake absorber theory, and this scientist’s collaboration with Wheeler led to path integral formulation. This man shared a Nobel with Schwinger and Tomonaga for his advances in quantum (*) electrodynamics. Particle collisions are vertices, and photons are wavy lines on his namesake diagrams of quantum mechanics. For 10 points, name this Caltech physicist and drum enthusiast whose classes were transcribed and collected in *Lectures on Physics*.**

Answer: **Richard Feynman**

16. **Along with Representative Rooney, this Senator recently proposed an amendment limiting terms in Congress. This politician was attacked for loving White Castle’s signature small burgers. This man read *Green Eggs and Ham* by Dr. Seuss for his children who were watching at home on C-Span. That effort was part of a 21 hour (*) filibuster on the Senate floor to delay a vote on Obamacare. After being called a blobfish, this man scored 11 points in 2 hours to beat Jimmy Kimmel in a one-on-one basketball game. For 10 points, name this politician who defeated Beto O’Rourke in the Texas Senate race.**

Answer: **Rafael Edward “Ted” Cruz**

17. **A Banksy parody of this painting shows a man wearing only Union Jack shorts and throwing a stone while the original figures turn around to look at him. The background of this painting is similar to another work by the artist, *Early Sunday Morning*. The only exit out of the central location is a knobless yellow door. This painting shows an ad for (*) 50 cent Phillies cigars. A waiter in white reaches under a counter while a woman in a red dress and two men in suits sit behind the counter. For 10 points, name this most famous Edward Hopper work which shows the title people in a diner.**

Answer: **Nighthawks**

18. **Very few of these objects can be found in Kirkwood Gaps. These objects are often classified by the characteristics of their orbits and features of their reflectance spectrum. Some examples of these objects include Pallas and Vesta.** (*) Ceres was formerly classified as one of these objects until it was reclassified as a dwarf planet in 2006. About 65 million years ago, one of these objects striking Earth caused the extinction of the dinosaurs. For 10 points, name these objects that are often found in their namesake belt between the orbits of Mars and Jupiter.

Answer: **asteroids**

19. **In 1988, this country's forces killed upwards of 50,000 members of the Isaaq clan, as part of military dictator Siad Barre's crackdown on dissent. Mohammed Abdullah Hassan founded the Dervish State in this country's north and successfully repulsed English invasion attempts, earning himself the nickname "the Mad Mullah". This country fought the Ogaden War with its neighbor (*) Ethiopia and was defeated by Cuban troops at the Battle of Harar, despite American aid. The terrorist group Al-Shabab operates in this country where the Maersk Alabama was seized by pirates. For 10 points, name this country with capital at Mogadishu.**

Answer: **Somalia**

20. **Sarabande and Rigaudon are movements of a piece by a composer from this country. An artist from this country painted his sister Sophie in *Death in a Sickroom*. That composer also wrote *Lyric Pieces* in addition to *Holberg Suite*. A flute depicts a sunrise in *Morning Wood*, a work by a composer from this country.** (*) *Peer Gynt* was set to music by one of the author's fellow countrymen. The most famous artwork from this country is *The Scream*. For 10 points, name this home country of Edvard Grieg and Edvard Munch.

Answer: **Norway**

21. **The Wolff-Kishner reduction requires one of these for the proper reaction conditions. Sodium amide is often considered a super one of these. Hydrogen fluoride can be considered a conjugate one of these to the fluoronium ion. When in contact with skin, these can often make the skin feel slippery due to saponification of fats into glycerol and soaps. Lewis defined them as electron pair (*) donors, while the Bronsted-Lowry definition defines them as proton acceptors. Common examples of these include calcium and sodium hydroxide. For 10 points, name these substances that produce pH greater than 7.**

Answer: **bases**

Bonuses

1. Isamu Noguchi designed the set for this ballet choreographed by Martha Graham. For 10 points each:

a. Name this ballet which includes variations of the hymn, *Simple Gifts*.

Answer: **Appalachian Spring**

b. This composer of *Billy the Kid* wrote *Appalachian Spring*.

Answer: **Aaron Copland**

c. This other Copland ballet includes sections like “Saturday Night Waltz”, “Hoe-Down” and “Buckaroo Holiday”. In this ballet, a certain character kisses the Champion Roper.

Answer: **Rodeo**

2. Name the following Supreme Court Justices. For 10 points each:

a. This first female Supreme Court Justice was appointed by Ronald Reagan.

Answer: **Sandra Day O'Connor**

b. This Justice presided over *Schenck v. United States*, a case about a protest of World War I conscription that violated the Espionage Act of 1917.

Answer: **Oliver Wendell Holmes Jr.**

c. This 27th President and former Chief Justice is the only one to serve in both offices. He is best known for his concept of dollar diplomacy.

Answer: **William Howard Taft**

3. This author was the first American to receive the Nobel Prize in Literature. For 10 points each:

a. Name this author of *Main Street*.

Answer: **Sinclair Lewis**

b. Lewis wrote one work about this title man. This man is a successful realtor in the city of Zenith, located in the fictional state of Winnemac.

Answer: **Babbitt**

c. This Lewis novel, arguably his most famous, describes the election of a demagogue, Berzelius "Buzz" Windrip, to the presidency and the collapse of democratic institutions in America.

Answer: **It Can't Happen Here**

4. Moles are small mammals that are well known for digging underground. While they're cool, the mole is also a unit in science. For 10 points each:

a. The amount of atoms, units, or molecules in one mole of substance is defined by this constant named for an Italian scientist.

Answer: **Avogadro's constant** (do not accept any numerical answer no matter how specific)

b. The mole is one of seven base units in this system from which all other units in this system can be derived

Answer: **SI system** or **Système International** or **International System of Units**

c. The original definition of the mole was based on this element. Atomic mass units are also based on an isotope of this element.

Answer: **carbon** (accept **C**)

5. This work is named for a process and a Polynesian nation which also names a Girl Scout cookie. For 10 points each:

a. Name this work which compares the stress of adolescence in the U.S. to the experiences of women on the island of Ta'u. Derek Freeman claimed that the author of this work had been lied to.

Answer: **Coming of Age in Samoa**

b. This anthropologist wrote *Coming of Age in Samoa*.

Answer: **Margaret Mead**

- c. Transcripts of Margaret Mead's discussions with this thinker on society were published in *A Rap on Race*. This man discussed issues faced by gay men in *Giovanni's Room*.

Answer: **James Baldwin**

6. This quantity is inversely proportional to length and directly proportional to cross sectional area. For 10 points each:
- a. Name this quantity which can be calculated by dividing voltage squared by power.

Answer: **resistance**

- b. Resistance is measured in an SI unit named for this man. This man's namesake law states that $V=IR$ (read as "V equals I-R").

Answer: **Georg Simon Ohm**

- c. Conductance is measured in this unit. A three letter name for this unit refers to the fact that conductance is the reciprocal of resistance.

Answer: **siemens** or **mho**

7. Answer the following about France in World War I. For 10 points each:

- a. This political movement to take back the "lost provinces" of Alsace-Lorraine contributed to the French decision to join the war. This term now means the desire to recover lost territory.

Answer: **revanchism**

- b. This 1916 battle in northern France was the longest battle on the Western Front and was intended to "bleed the French" by inflicting heavy casualties.

Answer: **Battle of Verdun**

- c. Germany invaded France through this neutral country, prompting the British to join the war.

Answer: **Belgium**

8. One character in this book is known as the shooter for his service in the White Army. For 10 points each:

- a. Name this book which discusses the title man Yuri's love for the nurse Lara.

Answer: **Doctor Zhivago**

- b. *Doctor Zhivago* is the only notable work of this author.

Answer: **Boris Pasternak**

- c. Pasternak was from this country which forced him to decline the 1958 Nobel Prize. A revolution leading to the creation of this country is the setting of *Doctor Zhivago*.

Answer: **USSR** or **Soviet Union** (or **Union of Soviet Socialist Republics**; do not accept or prompt on **Russia**)

9. Allrounders contribute with more than just the bat. For 10 points each:

- a. This former Pakistani captain transitioned from bowling to batting and retired after winning the 1992 World Cup. He recently became Pakistan's Prime Minister with the PTI.

Answer: **Imran Khan** (prompt on partial answers)

- b. Imran Khan was an allrounder and captain in this ball and bat sport. This sport is widely popular in South Asia and other parts of the former British Commonwealth and is definitely better than baseball.

Answer: **cricket**

- c. This former Indian captain is a great wicket keeper and also an excellent finisher in limited overs, most notably in the 2011 World Cup Finals.

Answer: **Mahendra Singh Dhoni** (accept **M.S. Dhoni**)

10. Answer questions about some phase transitions of matter. For 10 points each:
- This transition occurs when a liquid turns into a solid by a change in temperature. It should not be confused with a similar process by which a liquid becomes solid by a change in pressure.
Answer: **freezing** (do not accept or prompt on **solidification**)
 - This term is applied to liquids that exist as liquids below their freezing point. An example is water staying liquid below 0 degrees Celsius.
Answer: **supercooled** (accept word forms)
 - Supercooling water requires a lack of these. Introduction of these into a supercooled system can cause the entire system to freeze extremely quickly.
Answer: **nucleation sites** (or **seed crystal**)
11. Skyscrapers seem to be everywhere these days: and so is food. For 10 points each:
- This city is home to the Empire State Building and the World Trade Centers. This city is also known for dirty water dogs sold by street vendors.
Answer: **New York City**
 - This city is home to Willis Tower or Sears Tower. This city is known for its namesake Red Hot hot dog, which is said to be “dragged through the garden” because of its plentiful toppings.
Answer: **Chicago**
 - This city is home to the Comcast Center and One Liberty Place. This city is known for a namesake dish which may be made with lots of whiz.
Answer: **Philadelphia**
12. Several kingdoms and polities ruled in Sub-Saharan Africa before the arrival of European colonizers. For 10 points each:
- This African Kingdom was ruled by the legendary Mansa Musa, who reportedly spent so much gold in Cairo that he single handedly caused extreme inflation.
Answer: **Mali Empire**
 - These people fought the British in several wars and maintained significant autonomy unlike much of the rest of Africa. Mostly based in Guinea, these people had their capital at Kumasi.
Answer: **Ashanti** or **Asante Empire**
 - Sunni Ali established this state with its capital at Gao. It was defeated at Tondibi and overrun by Ahmad al-Mansur of the Moroccans.
Answer: **Songhai Empire**
13. This man is known as the Ploughman Poet. For 10 points each:
- This Scottish romanticist is best known for his poems “To a Mouse”, “To a Louse”, and “A Red, Red Rose”.
Answer: **Robert Burns**
 - Burns wrote this poem, which is traditionally sung in many English-speaking cultures at midnight on New Year’s Eve.
Answer: **“Auld Lang Syne”**
 - The protagonist of this narrative poem sees witches dancing, a haunted church, and the Devil playing bagpipes on his way home from a pub in Ayr. The poem lends its name to the traditional bonnet worn by Scottish men.
Answer: **“Tam o’ shanter”**
14. This molecule is the carrier of genetic information. For 10 points each:
- Name this nucleic acid in the shape of a double helix.

Answer: **DNA** or **Deoxyribonucleic acid**

- b. Like thymine in DNA, this nucleobase base pairs with adenine in RNA.

Answer: **uracil**

- c. Thymine, uracil, and cytosine are all part of this group of nitrogenous bases.

Answer: **pyrimidines**

15. This man caused controversy by smoking a blunt (or using marijuana) on the Joe Rogan podcast. For 10 points each:

- a. Name this CEO and founder of SpaceX and Tesla who called a expat British diver in Thailand a pedophile despite his successful efforts to save a stranded soccer team.

Answer: **Elon Reeve Musk**

- b. Facebook was criticized for working with this British data collection and consulting firm. This company worked on the Donald Trump election campaign.

Answer: **Cambridge Analytica**

- c. This CFO of Huawei was arrested in Vancouver for the company's alleged tax frauds. As the daughter of the founder, this woman is also known as the Princess of Huawei.

Answer: **Meng Wanzhou**

16. Pencil and paper ready. You will have 10 seconds per bonus. Consider the numbers $a, b,$ and $c;$ where $a^b=c$ [read as "a raised to the b equals c"] and $a, b,$ and c are all greater than 1. For 10 points each:

- a. Find $\log_a c$ [read as "log base a of c"] in terms of $b.$

Answer: **b** (or **one b**)

- b. Find $\log_a \sqrt{c}$ [read as "log base a of the square root of c"] in terms of $b.$

Answer: **$b/2$** (or **one half b** or **b over 2** or **0.5b**; accept obvious equivalents)

- c. Find a [read as "a"] given that $\log_a(81c)=b+4$ [read as "log base a of eighty one c equals b plus 4"]. Consider splitting the logarithm on the left side.

Answer: **3** or **three** [using given equation and log properties $\log_a 81 + \log_a c = b + 4$; subtracting b from both sides since $b = \log_a c$, $\log_a 81 = 4$; multiplying both sides by $1/4$, $\log_a(81)^{1/4} = 1$ and $a = 3$]

17. The phallus was a common symbol in many cultures. For 10 points each:

- a. This Hindu destroyer god is often represented by his namesake lingam. He is often represented with a snake around his neck and a trident at his side or as Nataraja, the god of dance.

Answer: **Shiva**

- b. This Greek god was often represented by large phalli on his namesake columns. He is often represented holding the caduceus and wearing a winged cap and winged sandals.

Answer: **Hermes** (do not accept or prompt on **Mercury**)

- c. This son of Njord and possible lover of his similarly named sister was shown him stroking his beard and having a very large phallus in a Swedish statue. He is often represented beside Gullinbursti, his golden bristled boar.

Answer: **Freyr**

18. This author was a prolific English poet, novelist, and journalist. For 10 points each:

- a. Name this author of *The Jungle Book* and *Kim*.

Answer: **Rudyard Kipling**

- b. Kipling wrote this poem to his son John. This poem describes a multitude of situations and how to succeed by repeating the title word.

Answer: **"If"** (read as "if")

- c. Kipling originally wrote this poem for Queen Victoria's Diamond Jubilee but instead chose to exchange it for "Recessional". This work encouraged American colonization of the Philippines.

Answer: **"The White Man's Burden"**

19. Language is complex, but so is religion. For 10 points each:

- a. The Kufic and naskh scripts were used to make copies of this holy book of Islam. Muhammad recited verses from this book on Jibril's command.

Answer: **Quran** or **Koran** or **Qur'an**

- b. This Roman author and saint translated the Bible into Latin in his Vulgate.

Answer: **St. Jerome** (or **Eusebius Sophronius Hieronymus**)

- c. Theravada Buddhism uses this language which is derived from Prakrit and Sanskrit for its canon of the same name. An alternate name for this language may refer to a namesake powerful kingdom from modern day Bihar.

Answer: **Pali** or **Magadhan**

20. In one work, this man used a green apple to obscure the face of a man wearing a bowler hat. For 10 points each:

- a. Name this Belgian surrealist artist of *Son of Man*.

Answer: **René Magritte**

- b. This Magritte work shows a clock and a pair of candlesticks above a fireplace and a black train coming out of the fireplace.

Answer: **Time Transfixed**

- c. This Magritte work shows the title man next to a large gramophone. Two other men holding a club and a net hide in the forefront. In this painting, three heads look in through a window at the corpse.

Answer: **The Menaced Assassin**

21. Name the following British Prime Ministers. For 10 points each:

- a. This first Prime Minister served under George I and his years of dominance are known as the Robinocracy.

Answer: **Robert Walpole**

- b. This British PM established the Metropolitan Police Force. He lends his name to a derogatory term for London Police Officers based in Scotland Yard.

Answer: **Robert Peel**

- c. This PM born in Dublin passed the Catholic Relief Act and Reform Act of 1832.

Answer: **Arthur Wellesley, 1st Duke of Wellington** (accept either underlined portion)