

Bulldog High School Academic Tournament 2017 (XXVI): Revenge of the BH-SAT

Written by Yale Student Academic Competitions (Stephen Eltinge, Adam Fine, Isaac Kirk-Davidoff, Moses Kitakule, Laurence Li, Jacob Reed, Mark Torres, James Wedgwood, Cathy Xue, and Bo You), Jason Golfinos, and Clare Keenan

Edited by Jacob Reed

Packet 10 Tossups

1. **The destruction of these places often forms a landscape filled with “cone” or “tower” hills. These places often include “flowers” or “needles” of gypsum. These places often contain delicate, hollow “soda straws.” They’re not hot springs, but in these places, travertine forms structures called (*) speleothems.** These areas form in karst topography when readily available water meets limestone bedrock. Dripping water in these places often makes icicle-like deposits. For 10 points, name these hollow underground landforms that often contain stalactites and stalagmites.

ANSWER: caves [accept caverns] <JW/JR>

2. *Description acceptable.* **This activity usually involves phylacteries called *tefillin*, which are small leather boxes that are bound on the head and arms. This action is traditionally performed in segments called *arvit*, *mincha*, and *shacharit*. It is often led by a *chazzan*. This action is usually performed from a (*) *siddur* while wearing a fringed garment called a *tallit*.** In this activity, a quorum of 10 people called a *minyan* is needed for the *Kaddish*. This activity often involves saying the *Shema* or sentences that begin “Baruch atah Adonai....” For 10 points, name this general act of worship by reciting texts.

ANSWER: praying [accept obvious equivalents like prayer] <JR>

3. **Many of these people are known by alternate names from a list named for Turin. Menes was the first of these people, who were often depicted wearing the nemes. An early one of these people was depicted on a namesake “Palette,” and was named Narmer. These people wore a combination of White and Red Crowns, called *Hedjet* and *Deshret*. Hundreds of diplomatic (*) letters written for one of these people have survived at his capital, Amarna. These people ruled in thirty-one dynasties, three “intermediate periods,” and Old, Middle, and New Kingdoms. Their eighteenth dynasty included Hatshepsut, Thutmose III, and Akhenaten.** For 10 points, name these rulers of ancient Egypt.

ANSWER: pharaohs <JR>

4. **One of this author’s characters becomes a born-again Christian after surviving an earthquake and finding a Bible where his tobacco was supposed to be. A 1719 book by this man is widely considered to be the first English novel. One of his protagonists escapes some pirates with the boy Xury and runs out of ink keeping a (*) daily journal.** Another of his title characters moves to colonial Virginia and marries the criminal Jemmy, her half-brother, and three other men. Another of his characters teaches English to a man whose footprint he saw on the beach. For 10 points, name this author of *Moll Flanders* who wrote about the native Friday in *Robinson Crusoe*.

ANSWER: Daniel Defoe <JR>

5. **This man gave the “The Republic must awaken” speech and popularized the word “bloviate.” This man appointed American Relief Administration director Herbert Hoover, to be his Secretary of Commerce. This man’s Secretary of State, Charles Evans Hughes, led the Washington Naval Conference. This president appointed Harry Daugherty as Attorney General. This (*) Republican defeated a ticket of vice-presidential candidate FDR, and James Cox. This linchpin of the “Ohio Gang” called for a “return to normalcy” but also let Albert Fall lease Navy oil reserves in Wyoming.** For 10 points, name this predecessor of Calvin Coolidge, who presided over the Teapot Dome Scandal.

ANSWER: Warren G. Harding [The “G.” is for “Gamaliel.”] <MK>

6. The stories of the “ensorcelled Prince” and of the Vizier and the sage Duban are embedded in a story about one of *these* people. In a Kalidasa play, one of these people retrieves Dushyanta’s ring, thus triggering the title *Recognition of Shakuntala*. In the *1001 Nights*, one of these people wonders out loud how a djinn could have fit in such a small pot, thus tricking it into returning. Another man with this profession dreams of (*) lions on the beach and often talks about the “Great DiMaggio.” A man with this profession discusses his 84-day unlucky streak with the boy Manolin. For 10 points, name this profession of Santiago in Hemingway’s *The Old Man and the Sea*.

ANSWER: fishermen [accept obvious equivalents; prompt on sailors, seamen, etc.] <JR>

7. This director had the whole cast hypnotized for a 1976 film about an 18th-century glass-blowing factory. Another of his films shows a man smelling some rocks in order to develop a cave-themed perfume and features 3D shots of paintings of horses and a fertility goddess. One of this man’s films includes a search ending in a barrage of arrows, a ship stuck in a tree, and a horde of monkeys, with a soundtrack by the band (*) Popul Vuh. A documentary by this man shows a woman hearing audio of a man getting mauled by a bear, but never plays the audio for the audience. For 10 points, name this eccentric German director of *Aguirre, the Wrath of God* and *Grizzly Man*.

ANSWER: Werner Herzog <IKD>

8. A widely-used anthology of philosophy in this language was compiled by Jon McGinnis and David C. Reisman. The doctrine of “double truth” was derived from the works of a philosopher in this language. Philosophers in this language often called Aristotle the “First Teacher.” A philosopher in this language was dubbed “The Commentator” in the (*) *Summa Theologica*. Much of Greek philosophy first became known in Medieval Europe through translations from this language into Latin, especially after the destruction of the House of Wisdom in a 1258 sack by the Mongols. For 10 points, name this language of philosophers like Ibn Rushd and Al-Farabi.

ANSWER: Arabic [or Arabiyya] <JR>

9. A hormone that primarily affects this organ has also been implicated in a wasting condition called cachexia, and is abbreviated MSH. Cancer in this organ is often treated with EDC, or electrodesiccation and curettage. This organ contains the arrector pili muscles. This organ contains infection-prone sebaceous glands, and it manifests the best-known symptoms of the (*) Varicella zoster virus. This organ produces Vitamin D3 using UV radiation. This organ’s outer layer is mostly keratin, and its color is affected by melanin. For 10 points, name this largest organ of the body, which is affected by eczema, melanoma, and acne.

ANSWER: skin [accept any answer including the word or suffix dermis] <MK/JR>

10. In its chapter “The Injured Foot,” the name of this novel’s setting is revealed to be “Skotoņprigoņnyevsk.” A woman in this novel tells a story about a guardian angel trying to pull a sinner out of a lake using an onion. Characters in this novel dream about the steppes and the Devil before a lengthy trial near its end. In this novel, many peasants are shocked when a local monastery elder’s (*) body begins to rot and stink after his death. One title character of kisses another on the lips in imitation of Christ after the end of this novel’s chapter “The Grand Inquisitor.” Dmitri, Ivan, and Alyosha, are the title siblings of—for 10 points—what novel by Fyodor Dostoyevsky?

ANSWER: *The Brothers Karamazov* [or *Brat'ya Karamazovy*; accept *The Karamazov Brothers*] <JW>

11. **This document called for the regions of Warmia, Masuria, and Powiśle to hold a plebiscite. Part of this document was called for by the “Heavenly Twins.” This document leased out the coal-rich Saarland for fifteen years. During the drafting of this document, (*) Ho Chi Minh called for Vietnamese independence. An effect of this document was renegotiated by the Young and Dawes Plans. The “Big Four” negotiators of this treaty included Vittorio Orlando and Georges Clemenceau [“kluh-mawn-SOH”], who argued for a “war guilt clause” and supposedly overwhelming reparations. For 10 points, name this 1919 treaty that ended World War I for Germany.**
ANSWER: Treaty of Versailles <LL>

12. **Marduk owned four of these animals whose mouths were coated in poison. Vainamoinen used a pike and parts of this kind of animal to build the first *kantele*, and Loki distracted one of these animals during the building of Asgard’s walls. Zeus gave these animals to Tros to compensate for the abduction of Ganymede, and Amaterasu (*) hid in a cave after Susano’o threw one of these animals’ head into her hall. Achilles had a talking pair of these animals, and Heracles’ eighth labor targeted two man-eating ones owned by the Thracian king Diomedes. Sleipnir was an eight-legged example of—for 10 points—what animals that often pull chariots?**
ANSWER: horses [or stallions; or ponies, or mares] <AF>

13. **A painter from this country depicted pineapples, wheat, and other plants being watered by an irrigation pipe below a hand that clutches a glowing orb. The crying subject of a painting from this country has white bands wrapped around her nude torso and is covered in nails. Injuries caused by a bus accident in this country were symbolized in the painting *The (*) Broken Column*. A mural was repainted in this country after being destroyed for its depiction of Lenin. A painter from this country emphasized her unibrow in many self-portraits, and married the painter of *Man at the Crossroads*. For 10 points, name this home country of Diego Rivera and Frida Kahlo.**
ANSWER: Mexico <JR>

14. **This is the value of the highest energy level of the quantum harmonic oscillator. In the absence of damping, the *Q*-factor of a resonant system takes on this value. This is the maximum number of particles that can occupy the same quantum state in a Bose–Einstein condensate. In high-energy physics, renormalization is a process of canceling terms that take this value. Max Planck fixed the (*) Rayleigh–Jeans law by removing a limit in which the radiated power tends to this value. For 10 points, name the length of time that Zeno incorrectly believed Achilles would take to catch a tortoise, which in reality is the value to which divergent quantities tend.**
ANSWER: infinity [accept infinite] <SE>

15. **This man was the subject of the first season of a TV show that focused on the media’s sexist portrayal of his antagonist in the episode “Marcia, Marcia, Marcia.” Ezra Edelman directed a series about this man that included the episode “June 17th, 1994,” featured an absurdly overacting John Travolta as Robert Shapiro, and cast (*) Cuba Gooding Jr. as this man. In 2016, ESPN released a *30-for-30* series titled “[this man], *Made in America*.” This man supposedly wrote a book whose cover features an absurdly small “if” embedded in the rest of the title: *I Did It*. For 10 points, name this ex-football player, who was declared innocent in the “Trial of the Century.”**
ANSWER: O. J. Simpson [accept either underlined part; full name: Orenthal James Simpson] <IKD>

16. During this event, Clemens von Ketteler was murdered, and a speech was made claiming that a certain group would “never again dare to look cross-eyed at a German”. A woman’s brigade known as the Red Lanterns formed during this event, which began a year after the Hundred Days’ Reform and included a siege of the Legation Quarter. The (*) Open Door policy was formulated in response to this event, which was ended by the Eight-Nation Alliance and sparked by anger towards the unequal treaties. It was supported by Empress Dowager Cixi [“SUH-shee”], and it lasted from 1899 to 1901. For 10 points, name this Chinese anti-foreigner revolt led by the “Righteous and Harmonious Fists.”

ANSWER: **Boxer** Rebellion [accept equivalents like **Boxer Uprising**; accept **Yihequan** Movement] <LL>

17. The Marsh test uses six equivalents of this metal to detect the presence of arsenic. Small crystals of this metal known as “spangles” are usually produced when this element is deposited in the “hot dip” method. This metal often stabilizes two histidine and two cysteine residues. This metal binds the substrate in alcohol dehydrogenase. This metal was stacked with copper and (*) brine-soaked disks to make Alessandro Volta’s “pile,” an early battery. This group-12 metal, which forms a namesake “finger” motif, is alloyed with copper to make brass. To prevent rusting, metals are coated with this element in galvanization. For 10 points, name this metal with symbol Zn.

ANSWER: **zinc** [or **Zn** before mentioned] <AF>

18. This composer’s pedagogical works include a six-book progressive piano compilation and *44 Duos for Two Violins*. This composer later orchestrated his *Sonata for Two Pianos and Percussion*. The fourth of this composer’s six string quartets has an “Allegretto pizzicato” fourth movement. This composer of six *Romanian Folk Dances* developed a “night music” style and spent several years collecting folk songs on record as one of the first (*) ethnomusicologists. He included movements like “Intermezzo interrotto” and “Game of the Pairs” in a 1943 orchestral work. For 10 points, name this Hungarian composer of *Music for Strings*, *Percussion*, and *Celesta* and a *Concerto for Orchestra*.

ANSWER: Béla (Viktor Janós) **Bartók** [accept names in either order] <JR>

19. Before heading to one of these locations, a genius boy prophesies to Nicholson that he will be killed there, in J.D. Salinger’s story “Teddy.” An air mattress is dragged out to one of these locations by a man who had just been told “They’re a rotten crowd. You’re worth the whole damn bunch put together.” The protagonist of a short story jokingly names these locations after his wife Lucinda after leaving a drunken party at the (*) Westerhazys’. Neddy Merrill traverses suburbia via these locations in a story by John Cheever. George Wilson avenges his wife Myrtle at one of these locations. For 10 points, where is Jay Gatsby’s body found?

ANSWER: swimming **pools** [prompt on houses, mansions or backyards] <JR>

20. *Warning: general answer acceptable.* A recent one of these events was sparked by the attempted blockade of a van carrying Guadalupe Garcia de Rayos in Phoenix, Arizona. A large one of these events was first planned by Bob Bland and Teresa Shook, but took on Carmen Perez, Tamika Mallory and Linda Sarsour as co-chairs. At one of these events, a masked man (*) punched Richard Spencer in the face. Supposedly, “professional anarchists” organized spontaneous instances of these events at airports. Those events of this kind were responses to an executive order that targeted seven majority-Muslim countries. For 10 points, name these oppositional events that have included a post-inauguration Women’s March.

ANSWER: anti-**Trump protests** [accept reasonable equivalents; if they answer with just “airport protests” or similar, prompt by saying “What general thing are they protesting?”—if necessary, keep prompting with “More general?”] <IKD>

Tiebreaker

21. **An interview by Herbert Matthews helped this man gain fame, and he was the target of Operation Verano. Troops from this man's nation fought against South Africa in the Battle of Cuito Cuanavale while helping the MPLA in Angola. This leader waged a campaign from the Sierra Maestra mountains, and he read a four-hour speech in court after leading an attack on the (*) Moncada Barracks.** During this man's rule, U-2 pilot Richard Heyser found a military base at San Cristobal. This man, who gave the "History Will Absolve Me" speech, caused a crisis by allowing the U.S.S.R to deploy ballistic missiles in his country. For 10 points, name this long-time President of Cuba.

ANSWER: Fidel (Alejandro) **Castro** (Ruiz) <LL>

Bonuses

1. The capital of this country was moved to its current location after a 1773 earthquake. For 10 points each:

[10] Name this Latin American country, which borders both Belize and Mexico's state of Chiapas, and which is currently led by Jimmy Morales.

ANSWER: Republic of **Guatemala**

[10] Under the presidency of Efraín Ríos Montt, the Guatemalan government committed a genocide against *these* peoples, killing almost 40% of them. One of these people won the 1992 Nobel Peace Prize for her autobiography.

ANSWER: **Maya** peoples [accept **K'iche'**; accept **Q'eqchi'**] (The autobiography is *I, Rigoberta Menchú*.)

[10] Like many Latin American countries, Guatemala's biggest export is the raw "cane" that's used to produce *this* foodstuff.

ANSWER: **sugar** <MK/JR>

2. For 10 points each—answer the following about depictions of black women in American short stories:

[10] This author wrote a story in which Wangero is appalled that her sister Maggie will be *using* traditional quilts instead of putting them in a museum. That story by this author is called "Everyday use."

ANSWER: Alice (Malsenior) **Walker**

[10] This author described the conflict between Twyla and Roberta, who are both of ambiguous race, in the short story "Recitatif." She described Pecola Breedlove's obsession with whiteness and beauty in *The Bluest Eye*.

ANSWER: Toni **Morrison** [or Chloe Ardelia **Wofford**]

[10] This author described "a large woman with a large purse that had everything in it but hammer and nails" in his story "Thank you Ma'am." This Harlem Renaissance poet also wrote "The Negro Speaks of Rivers."

ANSWER: (James Mercer) Langston **Hughes** <JR>

3. This trumpeter collaborated with Gil Evans on an album of songs from *Porgy and Bess*. For 10 points each:

[10] Name this jazz trumpeter, who recorded albums like *Bag's Groove* and *Kind of Blue*.

ANSWER: **Miles** (Dewey) **Davis** III [accept either underlined part]

[10] *Kind of Blue* crystallized a revolution in jazz by being based entirely on *these* musical constructs, which are similar to scales. These constructs come in types like Phrygian, Lydian, and Dorian.

ANSWER: **modes**

[10] The lead sheet for "So What," the opening track of *Kind of Blue*, is labelled with *this* number of distinct chords. Don't count a chord twice if it's repeated—for instance, all D minor chords count as one chord.

ANSWER: **two** (A really, really low number for a jazz standard, in case anyone asks why this is important.) <JR>

4. For 10 points each—answer the following about the Van der Waals equation:

[10] The Van der Waals equation is a correction to *this* law, which states that the gas constant equals pressure times volume over the number of moles of particles times temperature—or, "*P-V* equals *n-R-T*."

ANSWER: **ideal gas** equation/law

[10] The "*a*" parameter in the Van der Waals equation accounts for the existence of *these* phenomena. Van der Waals himself names a broad class of these general phenomena, which can form between induced dipoles.

ANSWER: **intermolecular forces** [prompt on partial answer]

[10] The Van der Waals equation can be seen as an approximation of a power series equation of state that's named for *this* adjective. This adjective also names a theorem that relates a system's average kinetic and potential energies.

ANSWER: **virial** [accept **virial equation** of state or **virial theorem**] <AF>

5. Peoples of this kind during the Woodland period included the Adena and Hopewell cultures. For 10 points each:
[10] Give this general term for North American peoples from roughly 3500 BC to 1500 AD. This name derives from a kind of religious structure these people constructed.

ANSWER: **Mound Builders**

[10] The most recent of the mound-building cultures was named for this river, which was crossed by Hernando de Soto. Lewis and Clark's expedition explored the area west of this river.

ANSWER: **Mississippi** River [accept **Mississippian** culture]

[10] The Mound Builders are described by *this* term, which is often used to describe all of New World history before European contact. Some recent historians have begun to favor terms like "Pre-Colonial" over this term.

ANSWER: **Pre-Columbian** <JR>

6. This artist often uses joking "filler" album names like *Random Album Title* and *For Lack of a Better Name*. For 10 points each:

[10] Name this Canadian DJ whose songs include "Strobe" and "Ghosts 'n' Stuff." This man always performs in a signature mask.

ANSWER: **deadmau5** ["dead mouse"] [or Joel Thomas **Zimmerman**]

[10] Deadmau5 is a big fan of this fellow masked act, even after they dissed him, saying "We thought EDM was all made by just one guy." This French house music duo's songs include "Giorgio by Moroder" and "One More Time."

ANSWER: **Daft Punk**

[10] Daft Punk collaborated with Pharrell Williams on the track "Get Lucky" just before Pharrell released the track "Happy" on the soundtrack for *this* movie's sequel. Unfortunately, this movie also spawned the prequel *Minions*.

ANSWER: **Despicable Me** [accept **Despicable Me** 2 or 3] <JR>

7. The pressure elevation inside these objects is given in terms of their surface tension and radius by the Young-Laplace equation. For 10 points each:

[10] Name these fragile spherical objects, whose surfaces are often formed by soap films. This is also the generic term for a small blob of gas trapped in some liquid.

ANSWER: **bubbles**

[10] Donald Glaser invented the bubble chamber, which detects particles with *this* property based on the trail of tiny bubbles they produce. Particles with this property follow a curved path in the presence of a constant magnetic field.

ANSWER: electrically **charged** particles [accept any answer indicating that the particles carry electric **charge**]

[10] Pistol shrimp attack their prey using a variant of *this* mysterious phenomenon, in which a sound wave causes a bubble to collapse, releasing a burst of incredibly bright light at temperatures comparable to the surface of the sun.

ANSWER: **sonoluminescence** <SE>

8. This student of Cimabue ["chee-MAH-bway"] supposedly drew a perfect circle freehand to show off to the Pope. For 10 points each:

[10] Name this Italian painter of the early 14th century, who decorated the Scrovegni (a.k.a. Arena) chapel in Padua.

ANSWER: **Giotto** ["JYAW-toh"] di Bondone

[10] Giotto is often considered the first forerunner of *this* movement in Italian art and culture, which included the "rediscovery" of linear perspective and other attempts to revive the art of Classical Antiquity.

ANSWER: **Renaissance** [or **Rinascimento**]

[10] Giotto's most famous painting from the Arena chapel depicts this scene, in which a woman in the center throws her arms back. This scene features ten angels flailing about in the top half.

ANSWER: **Lamentation** of Christ [prompt on **pietà**] <JR>

9. After fleeing her brother in Tyre, this woman claimed a hill by surrounding it with strips of oxhide. For 10 points each:

[10] Name this queen who committed suicide after her lover left for Italy. This queen had an ambiguously-worded rendezvous with that lover in a cave during a stormy hunt.

ANSWER: **Dido** [accept **Elissa**]

[10] Dido fell in love with Aeneas under the influence of his mother, who was *this* Roman goddess of love and beauty.

ANSWER: **Venus** [accept **Aphrodite**]

[10] When Aeneas ventured into the Underworld to meet with his father, he encountered Dido in a grove of *this* kind of tree. This tree was sacred to Venus.

ANSWER: the **myrtle** tree <CX>

10. For 10 points each—answer the following about the reign of Philip II of Spain:

[10] Philip did this action no fewer than four times, mainly because he kept sponsoring huge building projects and military expeditions, and because his creditors had no power to collect on him.

ANSWER: **defaulting** on his loans [or declaring **bankruptcy**; accept rough equivalents]

[10] One of those building projects was this massive monastery-palace complex northwest of Madrid. This fortress-like building is made of plain grey stone with few ornaments to make it look more intimidating.

ANSWER: Royal Site of San Lorenzo de El **Escorial** [or Monasterio y Sitio de El **Escorial** en Madrid]

[10] Charles V had hoped to absorb this kingdom into northeast Spain by marrying Philip to its queen Jeanne d’Albret. This kingdom with capital Pamplona had earlier been ruled by noted jerk Charles the Bad.

ANSWER: Kingdom of **Navarre** [or Reino de **Navarra**] <JR>

11. A poem in this language created the mythological character Adamastor. For 10 points each:

[10] Name this language used by Luís de Camões to write *The Lusiads*.

ANSWER: **Portuguese**

[10] This Portuguese poet made a habit of writing using alter egos or “heteronyms” like the pastoral Alberto Caeiro, the Greek-inflected Ricardo Reis, or the Whitmanesque Álvaro de Campos. He also wrote *The Book of Disquiet*.

ANSWER: Fernando (António Nogueira) **Pessoa**

[10] Pessoa’s diverse influences included this English poet, who described “Water, water everywhere, nor any drop to drink” in *The Rime of the Ancient Mariner*. He also wrote “Kubla Kahn.”

ANSWER: Samuel Taylor **Coleridge** <JR>

12. Children with this disease paradoxically have larger calves, which eventually degrade into fat. For 10 points each:

[10] Name this general class of wasting diseases which has common subtypes named after Becker and Duchenne. These diseases often kill people by weakening the muscles involved in breathing.

ANSWER: **muscular dystrophy** [prompt on **MD**]

[10] Duchenne muscular dystrophy is most commonly caused by one of *these* mutations in the gene coding for dystrophin. This type of mutation, represented by a delta, refers to the removal of a part of DNA during replication.

ANSWER: **deletion**

[10] Another disorder caused by a deletion is this syndrome, whose slightly strange features include an “elfin” appearance and a highly outgoing personality.

ANSWER: **Williams** syndrome [or **WS**] <AF>

13. This concept is often elucidated with the example that a seed “wants” to become an adult plant and high objects “want” to fall. For 10 points each:

[10] Name this Greek term, which is often translated as “final cause.”

ANSWER: telos

[10] Aristotle claims that an object’s *telos* is pretty important in *this* book, which takes Zeno’s paradox apart to explain how motion is possible. This book was *followed* by an Aristotle book on the nature of being.

ANSWER: Physics [or Phusike akroasis; or Physicae Auscultationes] (The next book is the *Metaphysics*.)

[10] According to Aristotle, all change takes place in the realm below *this* fifth element. The Sun and Moon and everything else above the terrestrial sphere move around in *this* element.

ANSWER: aether [or quintessence] <JR>

14. For 10 points each—answer the following about medieval cathedral architecture:

[10] Early on, people had the cool idea of adding a perpendicular transept to make churches in *this* shape. This kind of object often hung above the altar, with a statue of Jesus attached to its front.

ANSWER: cross [accept crucifix]

[10] In the 1100s, people started making cathedral walls a lot higher, which was made possible by the “flying” type of *these* supports.

ANSWER: flying buttresses

[10] Flying buttresses often reinforce the wall around *this* section of the cathedral wall, whose namesake windows are the highest in the cathedral. This level sits above the tribune/triforium and the lower arcade.

ANSWER: clerestory [or overstory] <JR>

15. This art’s “canon” of invention included the mustering of various *topoi* of discourse. For 10 points each:

[10] Give this general term for the art of persuasion through spoken argument, which is exemplified by speeches by orators like Demosthenes.

ANSWER: rhetoric

[10] This Roman laid out much of the Classical knowledge of rhetoric in his dialogue *De Oratore*. This author of *De Re Publica* used Demosthenes’s *Philippics* as a model for his most famous work.

ANSWER: Marcus Tullius Cicero

[10] As laid out by Cicero, a good speech should conclude with *this* kind of section, which follows the “confutation” of counterarguments.

ANSWER: peroration <JR>

16. Members of this party masterminded Jay’s Treaty, which was one of the origins of the U.S.–Britain Special Relationship. For 10 points each:

[10] Name this American political party led by Alexander Hamilton, which called for a strong central government. This party fizzled after the 1814 Hartford Convention, which let the Democratic-Republicans take over.

ANSWER: Federalist Party

[10] The collapse of the Federalist Party led to *this* brief period in American politics, which was followed by the era of Jacksonian democracy. This period included James Monroe’s 1820 election bid, which went unopposed.

ANSWER: Era of Good Feelings

[10] The Federalists and Democratic-Republicans constituted the first one of *these* constructs from political science. Currently, Democrats and the G.O.P. make up either the fifth or sixth one of these constructs.

ANSWER: two-Party Systems [prompt on partial answer] <JR>

17. [Note to moderator: do **not** reveal the alternate answer to the first bonus part unless a team gives it as their answer]

Many of this author's works, including *Youth* and *Chance* are narrated by the sailor Charles Marlow. For 10 points each:

[10] Name this early 20th-century author of *Lord Jim* and *Heart of Darkness*.

ANSWER: Joseph **Conrad** [or Józef Teodor Konrad **Korzeniowski**]

[10] Marlow *doesn't* appear in this Joseph Conrad novel, in which a revolution in Costaguana is set off by silver from Charles Gould's mine.

ANSWER: **Nostramo**

[10] Amazingly, despite his great prose, English was Conrad's third language. His native tongue was this language, which was used to write about the reign of emperor Nero in the novel *Quo Vadis*.

ANSWER: **Polish** [or jezyk **polski**] <JR>

18. For 10 points each—answer the following about those land-reforming Romans, the Gracchi:

[10] The Gracchi both held *this* political office.

ANSWER: **tribune** [or **tribunus**]

[10] The Gracchi mostly represented the interests of *this* class of Romans, who were not patricians.

ANSWER: **plebeians**

[10] The Gracchi both lived during this century, when Marius and Sulla were both born. Julius Caesar was born at the very end of this century, and the Roman Republic fell in the century *after* this one.

ANSWER: **100s** BC [or **2nd century** BC] <JR>

19. For 10 points each—answer the following about Judah, the fourth son of Jacob.

[10] Judah forced this son of his to marry the widow of his brother Er. This man then “spilled his seed on the ground” to avoid having a child with that widow, an act that is now sometimes named for him.

ANSWER: **Onan** [accept **onanism**]

[10] Onan was the second wife of this woman, who then proceeded to sleep with Judah. The resulting child, Perez, was named as one of Jesus's ancestors by Matthew.

ANSWER: **Tamar**

[10] In order to trick Judah into sleeping with her, Tamar disguised herself as someone of this profession. Mary Magdalene is often thought to have been this kind of worker before Jesus cast seven demons out of her.

ANSWER: **prostitute** [accept reasonable equivalents like **sex worker**] <MK>

20. The binary star system Spica has a diameter of only point-one-two of this unit, which makes its two stars bulge out like eggs toward each other. For 10 points each:

[10] Name this unit that is roughly the average distance from the Earth to the Sun.

ANSWER: **AU** [or **astronomical unit**]

[10] Spica is located in this constellation, which names a structure that contains the Local Group.

ANSWER: **Virgo** [accept **Virgo Supercluster**]

[10] When put in *kilometers*, an astronomical unit has *this* order of magnitude. The age of the Earth in years has 10 times this order of magnitude, and the age of the universe in years has 100 times this order of magnitude.

ANSWER: **100 million** [or **ten to the eighth**] <JW/JR>

Tiebreaker

21. For 10 points each—answer the following about the Constitution...of Canada:

[10] Canada's constitution was only patriated in 1982, under *this* Québécois prime minister. This man's son Justin was elected prime minister of Canada in 2015.

ANSWER: Pierre **Trudeau** [accept Justin **Trudeau**]

[10] Canada's first constitutions were *these* acts of Britain's parliament, which were all renamed "Constitution Acts" in 1982. The first of these acts was passed in 1867.

ANSWER: **British North America** Acts [or **BNA** Acts]

[10] The first British North America Act was passed following the recommendation of Lord Durham's Report, which was issued in *this* decade following a bunch of revolutions. Queen Victoria was crowned during this decade.

ANSWER: **1830s** <JR>