

Bulldog High School Academic Tournament 2019 (XXVIII): Description acceptable.

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Edited by Jacob Reed, with Stephen Eltinge, Adam S. Fine, and Andrew Wang

Packet 11 Tossups

1. **The “Seven synonyms for God” are outlined in a text written by the founder of this denomination. This denomination’s founder suffered a spinal injury after falling on ice in Swampscott, Massachusetts and claimed to be repeatedly plagued by “malicious animal magnetism.” Some members of this denomination choose to (*) forgo medical treatment, and this denomination operates various “reading rooms” around the world. For 10 points, what Christian denomination that stresses “metaphysical healing” was founded by Mary Baker Eddy and publishes a newspaper known as its namesake “*Monitor*?”**

ANSWER: Christian Science [or Church of Christ, Scientist; accept Christian Science Monitor] <SCW>

2. **A poem by this author laments “O, well for the fisherman's boy” and “the sailor lad” and mourns that “the tender grace of a day that is dead / Will never come back to me.” The “Choric Song” of one of this author’s poems begins “There is sweet music here that softer falls / Than petals from blown roses on the grass.” The title character of a poem by this author of (*) “Break, Break, Break” declares “I mete and dole / Unequal laws unto a savage race,” says “I will drink / Life to the lees,” and closes by claiming to have the strength “To strive, to seek, to find, and not to yield.” For 10 points, name this English poet who wrote “The Lotos Eaters” and “Ulysses.”**

ANSWER: Alfred, Lord Tennyson <CK>

3. **A set of “syllabics” used to write languages from this country was formalized by James Evans. The longest river in this country is sometimes referred to as Deh-Cho, which is its name in the Slavey [SLAY-vee] language. The name of the Gaspé Peninsula in this country derives from a word in Mi’kmaq, and the Slavey people are the namesakes of its deepest lake. This country’s (*) Algonquian languages include Cree, which supplies the name of this country’s Lake Athabasca. Farther north, Inuk-ti-tut is spoken its territory of Nunavut. For 10 points, name this country in which French is widely spoken in Québec.**

ANSWER: Canada <JW>

4. **During this decade, the exhibit *New Documents* highlighted the “snapshot-like” photography of Lee Friedlander and Garry Winogrand. In this decade, *Vogue* began to focus on “Youthquake” culture after Diana Vreeland took over. Square photographs like *Identical Twins*, *Roselle*, *New Jersey* and *Child with a Toy Hand Grenade* were taken in this decade by Diane (*) Arbus. In this decade, a band put a collage of historical figures and celebrities on one album cover, and then had pop artist Richard Hamilton create a pure white cover for their next album. For 10 points, name this decade in which Richard Avedon photographed the Beatles.**

ANSWER: 1960s <JR>

5. **“Pinner” or “froggers” are used on *these* pieces of equipment to perform spot assays. These pieces of equipment are often used with a heat-treated mixture that contains blood and is named for its “chocolate” appearance. These pieces of equipment are commonly used with a tryptone-containing liquid known as “LB.” A loop of wire is passed over the top of these pieces of equipment in (*) “streaking,” a technique developed by Robert Koch. These are the most common pieces of equipment used for 2D cell cultures and *in vitro* studies. For 10 points, name these circular pieces of laboratory glassware, which are often filled with agar and used to grow microorganisms.**

ANSWER: Petri dish [accept just dish or plate; do not accept or prompt on “microtiter plate”] <JR>

6. **This ruler’s most famous action is depicted in the *Chronicles of the Seeker* and resulted in a naval revolt at the town of Kami. Abraham Cresques’s Catalan Atlas depicts this ruler holding a coin. This ruler’s capital was briefly taken by the Mossi people. Ibn Battuta met this ruler’s brother and successor. The architect Es-Saheli built (*) Sankoré University and Djinguereber Mosque for this ruler, who is credited with conquering the Songhai capital of Gao and building up his own capital of Timbuktu. The economy of Cairo was crashed by the huge amounts of gold given out on the hajj of—for 10 points—what fourteenth-century king of Mali?**

ANSWER: Mansa Musa I <VS>

7. **The second section of the Prose Edda consists of a discussion about this topic in the form of a dialogue between Aegir and the god of this activity. The origin of this activity comes from the murder of a wise man born from the spit of the Aesir and Vanir named Kvasir. Kvasir’s blood was mixed with honey to produce a (*) mead that made its drinker skilled at this activity. “Kennings” were used in this activity, whose god has runes tattooed on his tongue. Bragi was the god of this activity, which was practiced by skalds. For 10 points, name this activity practiced by bards.**

ANSWER: poetry [accept songs or singing or rhymes] <AW>

8. **This character is told that the English often shoot admirals “to encourage the others” after seeing an execution inspired by the death of John Byng. After being found with his lover, this man kills the Jew Don Issachar and then the Grand Inquisitor. This man is told that “all is evil” by the scholar Martin. This man only finds one of the 100 treasure-laden “red sheep” he loses after meeting some (*) Inca nobles. This character is taught “metaphysico-theologo-cosmologology” while growing up in the castle Thunder-ten-Tronckh. This man says “we must cultivate our garden” after losing his optimism. Pangloss tutors—for 10 points—what title character of a satire by Voltaire?**

ANSWER: Candide <JR>

9. **The discipline of cultural history was pioneered by a book about this century by Johan Huizinga [HOW-tzin-guh]. During this century, the *Commentaries* were written by Pius II, the only pope to write an autobiography. Lucretius’ *De rerum natura* was rediscovered in this century, during which 900 theses were defended by a 23-year old scholar. The Donation of (*) Constantine was proven to be a forgery during this century, in which *Oration on the Dignity of Man* was written and a “Platonic Academy” was founded in Florence. Erasmus was born in this century. Humanism flourished after Byzantine scholars fled the fall of Constantinople in—for 10 points—what century *before* the Reformation?**

ANSWER: 15th century [or 1400s] <JR>

10. **Criticisms of a backdoor in the Dual_EC_DRBG algorithm for this task led NIST to withdraw its endorsement of it in 2014. In 1955, the RAND Corporation published a book with 100,000 entries to help with this task. John von Neumann proposed the primitive “middle-square method” for this task. It’s not related to null or zero-value bits, but a special file in Unix’s `dev` directory uses environmental (*) noise to do this task. Most software methods perform a “pseudo” version of this task since they start from a preset seed value. Flipping coins and rolling dice are physical ways of performing—for 10 points—what probabilistic task abbreviated RNG?**

ANSWER: random number generation [or pseudorandom number generation; accept random number generator or pseudorandom number generator; accept RNG or PRNG until mentioned] <SE>

11. A book by this man contains four “methods,” including emotion, habit, and will. Chance and choice are distinguished in this man’s two-stage model of free will. He’s the first namesake of a theory that was updated by the Cannon–Bard and Schachter-Singer theories. That theory describes emotions being caused by physiological changes and was developed by this man with Carl (*) Lange. This man emphasized the “cash value” of statements, and developed a brand of philosophy with C.S. Peirce [“purse”]. He coined the phrase “stream of consciousness” in his book *The Principles of Psychology*. For 10 points, what “Father of American Psychology” wrote the book *Pragmatism*?

ANSWER: William **James** <BY>

12. A player with this first name is the only one to have played on both sides in both the El Clásico and Milan rivalries. That player with this name scored one of his two goals in the 2002 World Cup final after a teammate’s shot was improperly saved by Oliver Kahn. A player with this *last* name infamously winked at his manager after a teammate was dismissed. A striker nicknamed “the (*) Phenomenon” shares this name with a player whom Kathryn Mayorga has accused of sexual assault. In 2018, that player with this name moved to Juventus after winning three straight Champions League titles with Real Madrid. For 10 points, give this last name of Lionel Messi’s Portuguese rival.

ANSWER: **Ronaldo** [accept **Ronaldo** Luís Nazário de Lima; or Cristiano **Ronaldo** dos Santos Aveiro] <MK>

13. When the Lagrangian is independent of one of *these* quantities, that one of them is called “cyclic.” In advanced formulations of mechanics, the “generalized” type of these quantities are usually denoted by the letter *Q*. Transformations in which these quantities change are called “passive,” while those that change a physical system are called “active.” In general, they are the coefficients of a (*) vector’s decomposition in terms of basis vectors. In two dimensions, a radial distance *r* and an angle “theta” comprise a “polar” set of these numbers. Three numbers *x*, *y*, and *z* comprise the “Cartesian” system of—for 10 points—what numbers used to describe an object’s position?

ANSWER: **coordinates** [accept **coordinate** system] <SE>

14. After this man’s death, a minister wrote the rhyme “I am sorry at my heart / that lice and flux should take the hangman’s part.” This man, who was succeeded by John Ingram, criticized the government for nepotism and monopolizing the beaver trade in a “Declaration of the People.” This man led a group of poor white farmers in attacking a variety of (*) Native American tribes during a war with the Susquehannock [suss-kwuh-HAA-nuck]. This man called an Assembly to stamp out corruption and raise tobacco prices. After Governor William Berkeley objected, this man’s supporters burned down the colonial capital of Jamestown. For 10 points, name this leader of a 1676 rebellion in Virginia.

ANSWER: Nathaniel **Bacon** <AH>

15. This composer has the cellist tune their C string down to B-flat for the slow movement of his E-flat-major Piano Quartet. A piano piece by this composer uses double-whole notes in one movement to spell out motives like “E-flat C B A.” This composer imagined a league of anti-Philistine musicians called the *Davidsbund*. This composer wrote two symphonies in (*) 1841, five pieces of chamber music in 1842, and almost 150 songs in 1840. This founder of the *Neue Zeitschrift für Musik* threw himself into the Rhine in 1854 and then died in an asylum. The pianist Clara Wieck married—for 10 points—what composer of *Album for the Young*, *Carnaval*, and *Scenes from Childhood*?

ANSWER: Robert (Alexander) **Schumann** <JW>

16. One character in this novel plays a Chopin impromptu while the protagonist reads a letter from a man who fled to Mexico. This novel's protagonist is contrasted with "mother-women" exemplified by Madame Ratignolle. A parrot in this novel repeatedly says (*) "Allez vous-en! Allez vous-en!" [AH-lay voo-ZAW! AH-lay voo-ZAW!] to the protagonist's husband. Out of dissatisfaction with her marriage to Léonce, this novel's protagonist has an affair with Alcée Arobin and falls in love with Robert Lebrun. After swimming out into the Gulf Mexico, Edna Pontellier drowns at the end of—for 10 points—what novel by Kate Chopin?

ANSWER: *The Awakening* <CK>

17. In this modern day country, the loser of the Battle of Mons Graupius accused the winning commander of "mak[ing] a desert and call[ing] it peace." In this modern country, a thoroughfare running from Rutupiae to Viroconium names a battle that saw the defeat of the Trinovantes. An abortive campaign to this modern country resulted in seashells being brought home as "spoils of the sea" by (*) Caligula. Tacitus detailed his father-in-law's exploits as governor of this modern country in his *Agricola*. Cartimandua handed Caractacus over to the Romans in what is now this country, where Boudicca would later lead an uprising. Antoninus Pius and Hadrian built walls to defend—for 10 points—what modern-day island nation?

ANSWER: United Kingdom [or Great Britain; accept England or Scotland] <JW>

18. The namesake coefficient of processes in which *this* quantity is constant is equal to " V over C -sub- p , times the quantity: alpha-times- T minus 1." The natural variables for this quantity are entropy and pressure. For a system under constant pressure, the change in this quantity equals the added heat. The change in Gibbs free energy can be calculated as: the change in (*) this quantity, minus the product of temperature and the change in entropy. Hess's Law gives the change in this quantity for a reaction in terms of this quantity "of formation" for the reactants and products. Internal energy plus pressure-times-volume gives—for 10 points—what quantity symbolized H ?

ANSWER: enthalpy [accept specific enthalpy; prompt on H until it is read; do not accept or prompt on "entropy"] <CK>

19. In a story by this author, a Czech man who touches a map of India is granted exactly one year to finish his play before he is executed by Nazis. Throughout the 1950s and '60s, this author worked as director of his National Library. This author reversed the perspective of his story "The (*) Secret Miracle" in the story "Deutches Requiem." In a story by this blind author, the narrator and Bioy Casares find that one copy of an encyclopedia includes the fictional country of Uqbar. In another of his stories, the narrator searches the title infinite hexagonal array for the "catalogue of catalogues." For 10 points, name this Argentinian author of "The Library of Babel" and "The Aleph."

ANSWER: Jorge Luis Borges <SCW>

20. One type of this material was invented by Ehrenfried Walther von Tschirnhaus [CHEERN-"house"] and Johann Friedrich Böttger. When left untreated, this material is dubbed "biscuit." This material is imitated by faience, which was heavily produced in Delft. This material is typically made of kaolin, which undergoes extensive vitrification. This material was made using bone ash by Josiah (*) Wedgwood. Wares made of this material were often decorated in blue and white during the Ming dynasty. This material is contrasted with earthenware and stoneware. For 10 points, name this hard, translucent ceramic material often named for China.

ANSWER: porcelain [accept china until mentioned; prompt on ceramics or pottery] <JW>

Tiebreaker

21. The global minimum of the function “ x to the x ” occurs at the *reciprocal* of this number. The reciprocals of the factorials of the natural numbers add up to this value. The error function is proportional to the antiderivative of *this* number to the negative x squared. The integral of “1-over- x , dx ” from 1 to *this* number is equal to 1. This number is the limit, as n approaches infinity, of the quantity “1 plus 1-over- n ,” all to the n th power. According to (*) Euler’s formula, “cosine- x plus i sine- x ” equals “*this* number to the $i x$.” “This number to the x ” is the only function that equals its own derivative. For 10 points, name this number roughly equal to 2.718, the base of the natural logarithm.

ANSWER: e <JW>

Bonuses

1. For 10 points each—answer the following related to films about aging actresses:

[10] This actress played an aging theater star in *All About Eve*, and, like her rival Joan Crawford, played an aging star in *What Ever Happened to Baby Jane?* She often played unlikeable heroines in films like 1938's *Jezebel*.

ANSWER: Bette **Davis** [or Ruth Elizabeth **Davis**]

[10] The deranged former actress Norma Desmond stars in Billy Wilder's *Sunset Boulevard*, which is named for a street in *this* city. David Lynch's *Mulholland Drive* is set in this city, which is where the U.S. film industry is based.

ANSWER: **Los Angeles** [or **L.A.**; accept **Hollywood**]

[10] Although Billy Wilder's *Fedora* is also about a reclusive aging actress, he's best-known for directing *this* actress in films like *The Seven Year Itch*.

ANSWER: Marilyn **Monroe** [or Norma Jeane **Mortenson**] <JR>

2. In her “Decalogue of the Artist,” this poet wrote that “You shall love beauty, which is the shadow of God over the Universe.” For 10 points,

[10] Name this Chilean poet, the first woman to win a Nobel Prize in literature. She's known for a collection inspired by the suicide of her lover Romelio Ureta, as well the collections *Desolación* and *Ternura*.

ANSWER: Gabriela **Mistral** [or Lucila Godoy **Alcayaga**]

[10] Mistral is best known for a collection of *these* lyric poems “of Death.” Pablo Neruda wrote a collection of 100 of *these* 14-line poems about love.

ANSWER: **sonnets** [accept **Sonnets of Death** or **Sonetos de la Muerte** or **100 Love Sonnets** or *Cien sonetos de amor*]

[10] As its subtitle suggests, Mistral's collection *Ternura* consists of works for and about *these* people, poems which famously could not have drawn on her real-life experience. A description is fine.

ANSWER: **children** [accept reasonable synonyms like **kids** or **babies**] <HK>

3. This unit is almost, but not quite, equal to one torr, which is in turn equal to one-760th of a standard atmosphere. For 10 points each:

[10] Identify this nonstandard unit that measures pressure, despite sounding like a unit of length.

ANSWER: **millimeter(s) of mercury** [or **mmHg**]

[10] The use of “millimeters of mercury” comes from Evangelista Torricelli, who decided to use mercury instead of water when inventing *this* device, which measures atmospheric pressure.

ANSWER: **barometer**

[10] The downward pressure from the mercury barometer's column balances the atmospheric pressure in an illustration of *this* principle, which states that a change in pressure is transmitted unchanged throughout a fluid.

ANSWER: **Pascal**'s principle [or **Pascal**'s law] <SE>

4. Benjamin Disraeli claimed to have returned with this *thing* after the 1878 Congress of Berlin. For 10 points each

[10] Name this thing that Neville Chamberlain claimed to have brought in his announcement of the Munich Agreement.

ANSWER: **peace** for our time [accept just “**peace**,” but do not accept or prompt on “peace in our time”]

[10] Chamberlain proclaimed “peace for our time” from the steps of *this* location, which is where the residence of the Prime Minister is located. Give the house number and the street name.

ANSWER: **10 Downing** Street

[10] The next resident of 10 Downing Street was this man. This Prime Minister, who led the U.K. through World War II, has been accused of genocide for his role in the 1943 Bengal famine.

ANSWER: Winston (Leonard Spencer-) **Churchill** <SPQR>

5. This novel's protagonist finds herself unable to finish an English thesis on the symbolism of twins in *Finnegans Wake*. For 10 points each:

[10] Name this semi-autobiographical novel, in which the protagonist's heart repeatedly seems to say "I am I am I am." Its protagonist is shown headlines like "SCHOLARSHIP GIRL MISSING. MOTHER WORRIED" by Joan.

ANSWER: *The **Bell Jar***

[10] *The Bell Jar* was the only novel by *this* American author, who's better known for poems like "Lady Lazarus" and "Daddy."

ANSWER: Sylvia **Plath**

[10] *The Bell Jar*'s Esther Greenwood receives *this* treatment for depression from Dr. Gordon, who administers it incorrectly and thereby worsens her condition. Dr. Nolan is more successful in administering this treatment.

ANSWER: **electroshock** therapy [or **shock** treatment; or **electroconvulsive** therapy] <JW>

6. This piano sonata opens with a descending arpeggio where the first note is unusually written as a quarter tied to a sixteenth, followed by a sixteenth note. For 10 points each:

[10] Name this F-minor piano sonata from 1806, whose second movement is a set of variations in D-flat Major.

ANSWER: "**Appassionata**" Sonata [or Beethoven's Piano Sonata No. **23**]

[10] The last two movements of the "Appassionata" Sonata have *this* property, which is called for by the Italian word *attacca*. The three movements of the "Moonlight" Sonata have this property; thus its title "quasi una fantasia." A description is fine.

ANSWER: played **without pausing** in between the movements [accept any answer indicating **no break** or **no stopping** between movements]

[10] The "Appassionata" and "Moonlight" sonatas were written by *this* German composer, who later went deaf.

ANSWER: Ludwig van **Beethoven** <JR>

7. A work in this medium coined the term "gerrymander." For 10 points each:

[10] Name this medium whose American proponents included Alexander Anderson and Thomas Nast.

ANSWER: **Political Cartoon** [accept **editorial cartoon**; prompt on partial answer]

[10] An Alexander Anderson cartoon features a turtle of *this* name snapping at the coattails of a man carrying a barrel. This turtle's name refers to an unpopular act passed by Jefferson during the Napoleonic Wars; a description is acceptable.

ANSWER: **Ograbme** [accept any answer indicating "**embargo**" **backwards**; do not accept or prompt on just "embargo"]

[10] The passage of Jefferson's Embargo Act, as well as incidents such as the Chesapeake-Leopard Affair, escalated tensions and eventually led to *this* war with Britain, sometimes referred to as "Mr. Madison's War."

ANSWER: War of **1812** <SPQR>

8. For 10 points each—answer the following about the physics of radio broadcasting:

[10] A message can be encoded in a radio wave by modulating either of two properties, leading to the use of what *two* frequency bands each known by a two-letter abbreviation? Name both.

ANSWER: **AM** and **FM** [accept **amplitude modulation** AND **frequency modulation**]

[10] An AM signal can be transferred to a fixed "intermediate frequency" by combining it with a reference sine wave in *this* process. This process takes two signals as inputs and outputs a signal at their beat frequency.

ANSWER: **heterodyning** [accept **heterodyne** or super**heterodyne** receiver]

[10] After heterodyning, the message can be extracted from the intermediate-frequency signal by applying a "low-pass" one of *these* electrical circuits. Their "band-pass" type allows through all frequencies in a certain range.

ANSWER: **filters** [accept low-pass **filters** or band-pass **filters**] <SE>

9. This show's theme song is "Believe in Yourself." For 10 points each.

[10] Name this kid's cartoon. Friends of the title character include George, Sue Ellen, and the rabbit Buster.

ANSWER: **Arthur**

[10] *Arthur* aired on *this* non-profit TV channel, which aired legendary shows like *The Joy of Painting*, *Antiques Roadshow*, *Mister Rogers' Neighborhood*, and *Sesame Street*.

ANSWER: **PBS** [or **Public Broadcasting Service**]

[10] This bulldog-like character from *Arthur* gets in trouble for spray painting his name on the school wall. This bully turns out not to be the culprit, since the graffiti was made by a *band* with this name.

ANSWER: **Binky** [accept "**Binky Rules**"] <BY>

10. This philosopher theorized that human freedom originates in "natality" at birth. For 10 points each:

[10] Name this philosopher, who, in a 1951 book, used Kant's notion of "radical evil" to discuss those who attempt to exterminate "superfluous people."

ANSWER: Hannah **Arendt** (That book is *The Origins of Totalitarianism*.)

[10] Arendt, like her friend Walter Benjamin, was a member of *this* religion, whose other philosophers include Moses Mendelssohn and Maimonides.

ANSWER: **Judaism** [or **Jewish**]

[10] This tradition of Jewish mystical philosophy is often considered in opposition to Maimonides's Aristotelianism. A scholar of this tradition named Gershom Scholem criticized Arendt for her book *Eichmann in Jerusalem*.

ANSWER: **Kabbalah** <JR>

11. For 10 points each—answer some the following about the self...in computer science:

[10] A function has *this* property if it calls itself. For example, one can compute N factorial with a function of this kind, which multiplies the current input with the same function called on the current input minus one.

ANSWER: **recursion** [accept word forms like **recursive**]

[10] The "red-black" example of *these* data structures is an example of their "self-balancing" type, which try to keep their maximum and minimum heights similar. These hierarchical data structures have "parent" and "child" nodes.

ANSWER: binary search **trees**

[10] This programming language strangely requires that all methods within classes have the keyword `self` as their first argument, but does *not* require method calls to actually include a reference to the class as an argument.

ANSWER: **Python** <BY/AF>

12. For 10 points each—answer the following about important months in European history:

[10] During *this* month in 1905, Nicholas II issued a manifesto promising basic civil rights and the creation of the Duma. Trotsky and Lenin led a 1917 revolution in this month that established the Soviet government of Russia.

ANSWER: **October**

[10] This European country underwent the 1832 June Rebellion, which sought to reverse the changes brought about by its 1830 July Revolution.

ANSWER: **France**

[10] The 1918 November Revolution in Germany began with one of *these* events at Kiel. Two of these events took place at Kronstadt during the early 20th century.

ANSWER: naval **mutiny** <SPQR>

13. In a fit of madness, the protagonist attempts to throw his fiancée Clara over a ledge at the end of this story. For 10 points each:

[10] Identify this short story, in which Nathanael associates the alchemist Coppelius with the title eye-stealing legendary figure.

ANSWER: “The **Sandman**” [or “Der **Sandmann**”]

[10] This German Romantic author of “The Sandman” loved music so much he changed his third name to “Amadeus.” His story “The Nutcracker and the Mouse King” was adapted into the Tchaikovsky ballet.

ANSWER: E(rnst) T(heodor) A(madeus) **Hoffmann** [or Ernst Theodor Wilhelm **Hoffmann**]

[10] In a novel by Hoffmann, pages from a book about the composer Johannes Kreisler are wildly mixed up with the memoirs of one of *these* animals. One of these animals named for Cheshire grins creepily in *Alice in Wonderland*.

ANSWER: **cats** [accept **Cheshire Cat**; accept *The Life and Opinions of the **Tomcat** Murr* or *Lebens-Ansichten des **Katers** Murr*] <MK>

14. This god ruled over an underworld specifically for the drowned. For 10 points,

[10] Name this god of rain whose wife Xo·chi·que·tzal was kidnapped by Tez·cat·li·poca. Chal·chiuht·li·cue later married this god who was often offered children and jaguars as sacrifices.

ANSWER: **Tlaloc**

[10] The name Chal·chiuht·li·cue is Nahuatl for one of *these* items made of jade. The mother of the sun, moon, and stars, Coatlicue, has a name referring to one of these items made of snakes.

ANSWER: **skirts**

[10] Tlaloc and Huit·zi·lo·pocht·li both belonged to the pantheon of *this* people who built Tenochtitlan and worshipped a feathered serpent god known as Quetzalcoatl.

ANSWER: **Aztecs** [or **Mexica**] <HK>

15. This country has been ruled by the People’s Action Party since gaining independence in 1959. For 10 points each:

[10] Name this city-state whose first prime minister said that it had gone “from the Third World to the First World in a single generation.”

ANSWER: Republic of **Singapore** [or Republik **Singapura**]

[10] Every prime minister of Singapore to date has been a native speaker of *this* broad group of languages. Since 1949, this language has largely supplanted the native languages of Taiwan.

ANSWER: **Chinese** [or **hanyu** or **zhongwen**; accept **Mandarin** or **Hokkien**]

[10] In 1993, William Gibson wrote an article in which he called Singapore “Disneyland” with *this* addition, leading to *Wired* magazine to be banned in the city-state.

ANSWER: **death penalty** <HK>

16. This process is exemplified by the rapid evolution of Darwin’s Finches into over a dozen different species. For 10 points each:

[10] Name this process, in which environmental changes cause members of one species to quickly diversify into a number of related species.

ANSWER: adaptive **radiations**

[10] Adaptive radiation can be prompted by *this* kind of event, in which the previous occupants of a niche die off. Human-induced climate change has created one of these events by killing off hundreds of species; a description is fine.

ANSWER: mass **extinctions** [or **extinction** event]

[10] After the Cretaceous–Paleogene extinction killed off the dinosaurs, *this* class of animals underwent a massive adaptive radiation, producing orders like Chiroptera.

ANSWER: placental **mammals** <JR>

17. Some historians have speculated that depictions of this figure may have derived from images of king Demetrius I. For 10 points each:

[10] Name this figure who was depicted in the style of a Greek king in art of the first millennium A.D. from Gandhara.

ANSWER: **Buddha Shakyamuni** [accept either underlined part; accept Siddhartha **Gautama**]

[10] Before the advent of Greco-Buddhist art, depictions of the Buddha had *this* property, which is required by the Second Commandment. Islamic art uses elaborate geometric patterns because of this prohibition; a description is fine.

ANSWER: they **don't depict people** [or **aniconic**; accept reasonable equivalents; accept more specific answers about **not depicting God, animals, Muhammad**, etc.]

[10] Most surviving early Buddhist paintings were found in *these* locations. Prehistoric paintings of hunting scenes have been found in locations of this kind like Altamira and Lascaux [lah-SKOH].

ANSWER: **caves** <JR>

18. This is the largest landlocked country to be completely surrounded by a single nation. For 10 points each:

[10] Name this country, which was known as Basutoland until it gained independence from the U.K. in 1966.

ANSWER: Kingdom of **Lesotho** [leh-SOO-too]

[10] Until 1994, Lesotho accepted refugees from *this* country, which completely surrounds it. This country's largest city is Johannesburg.

ANSWER: Republic of **South Africa**

[10] Of South Africa's three capitals, Lesotho is geographically closest to *this* judicial capital, which lies in the center of the country in the province of Free State.

ANSWER: **Bloemfontein** <SCW>

19. The Athenians and Ionians conducted this practice using *pharmakoi*. For 10 points each:

[10] Name this ritual, which Leviticus commands in order to propitiate Azazel.

ANSWER: **scapegoating** [prompt on exiles or sacrifices]

[10] Modern Jews rarely conduct the scapegoat ritual on Yom Kippur, but they do read out *this* Biblical book. This book's namesake prophet is punished for trying to flee his mission to prophecy the destruction of Nineveh.

ANSWER: Book of **Jonah**

[10] Yom Kippur falls ten days after *this* other Jewish holiday, which marks a new year despite coming at the beginning of the eighth month.

ANSWER: **Rosh Hashanah** [or **Yom T'ruah**] <SPQR>

20. The speaker of this poem says "gr-r-r" several times, asks "what's the Greek name for Swine's Snout?" and plots to send Brother Lawrence to hell by planting a "scrofulous French novel" on him. For 10 points each:

[10] Name this vitriolic poem in the voice of an unnamed monk.

ANSWER: "**Soliloquy of the Spanish Cloister**" [prompt on partial answer]

[10] "Soliloquy of the Spanish Cloister" was written by *this* author of "My Last Duchess," who married Elizabeth Barrett.

ANSWER: Robert **Browning**

[10] "Soliloquy of the Spanish Cloister" and "My Last Duchess" are both examples of *this* poetic form often used by Browning. In this genre of poem, a specific fictional or historical persona directs a speech at some kind of audience.

ANSWER: **dramatic monologue** [prompt on partial answer] <JW>

Tiebreaker

21. Guadeloupean author Maryse Condé received a “New Academy” award as an indirect result of this action. For 10 points each:

[10] Name this one-off action that was taken in May 2018 after revelations of sexual assault perpetrated by the photographer Jean-Claude Arnault. A description is fine.

ANSWER: **postponing** the 2018 **Nobel** Prize in **Literature** [accept]

[10] The Literature Nobel was postponed by the “Academy” of *this* Scandinavian country, which awards the prize.

ANSWER: Kingdom of **Sweden** [or Konungariket **Sverige**]

[10] After interruptions during the World Wars, the first hiccup for the Literature Nobel was when *this* Soviet author was forced to refuse the prize. In this man’s only novel, the title doctor writes poetry and falls in love with Lara.

ANSWER: Boris (Leonidovich) **Pasternak** (The novel is *Doctor Zhivago*.) <JR>