

Bulldog High School Academic Tournament 2018 (XXVII): After such knowledge, what forgiveness?

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Packet 8 Tossups

1. **Food from this province has been the main focus of author Fuchsia Dunlop. Natives of this province use a broadbean chili paste in a dish whose name literally refers to a “pockmarked lady.” Chongqing [chong-CHING] was carved out of this province, which lies north of Yunnan and east of (*) Tibet.** This province is home to over 80 percent of the world’s wild pandas. Its natives use a namesake “hot and numbing” peppercorn to make dishes like Mapo Dofu and Kung Pao chicken. For 10 points, name this province of China with capital Chengdu, home to a namesake spicy cuisine.

ANSWER: Sichuan [or Szechuan] <JR>

2. **A poem in this form opens with the line “Carried through many nations and over many seas, I arrive” and is addressed to the poet’s brother. The fifth of a collection of these poems opens “But tell me, who are they, these wanderers?” A poem in this form begins “I hate and I love,” while another ends “Hail and farewell” or “ave atque vale.” This word names a kind of “couplet” used by Ovid and (*) Catullus.** The line “Who, if I cried out, would hear me among the angelic orders?” opens the first of a series of poems of this type by Rainer Maria Rilke named for Duino Castle. For 10 points, name these serious poems often written as laments for the dead.

ANSWER: elegy [accept Duino Elegies or Duineser Elegien; accept word forms such as elegiac couplets] <CK>

3. **This man’s father revived the Roman coinage of *denarii* and *solidi* as the modern units “denier” or “penny,” shilling, and pound. This man commissioned four “Books” attacking an awful mistranslation of the Acts of the anti-Iconoclastic Second Council of Nicaea. One of this man’s sons captured the Ring of the Avars. His army killed thousands of Saxons led by Widukind at the Massacre of Verden. This man brought the scholar (*) Alcuin of York to his capital of Aachen. His grandfather defeated Abd er Rahman’s forces near Tours and was nicknamed “The Hammer.”** For 10 points, what son of Pepin the Short was crowned Emperor of the Romans on Christmas Day, 800 A.D?

ANSWER: Charlemagne [or Charles the Great or Charles I or Carolus Magnus, or Karl der Grosse; prompt on partial answer] <MK>

4. **This team’s three perfect games include a 2012 game pitched by Philip Humber. This Major League Baseball team forfeited the second game of a 1979 doubleheader after their field was destroyed on Disco Demolition Night. Mark Buehrle [“burly”] and Paul Konerko helped this AL central team beat the Astros to win the (*) 2005 World Series.** In a “black” scandal, this team threw the 1919 World Series. Guaranteed Rate Field is the home of this team, whose crosstown rival won the World Series in 2016, breaking a 108-year drought. For 10 points, name this baseball team that shares a city with the Cubs.

ANSWER: Chicago White Sox [prompt on Chicago] <SCW>

5. **This religion’s initiation rite includes a series of baths and the crushing of leaves. Many rites in this religion are accompanied by words called “Langaj” with a “j.” In this religion, the soul is made up of the “big” and “little” good angels. Spirits in this religion are grouped into “nations” like Rada, Petro, and Ghede. This religion’s (*) sorcerers are known as *bokor*, and are contrasted with its male priests, or *houngans* and female priests, or *mambos*.** In this religion, the supreme God Bondye can be reached by *loas* like the guardian of the crossroads Papa Legba and the death spirit Baron Samedi. For 10 points, name this syncretic religion of Haiti.

ANSWER: Voodoo [accept Vaudou, Vodun, Vodoun, Vodu, or Vaudoux] <MK>

6. **“Abigail Mead” scored a film mostly set in this country, which closes with The Rolling Stones’ “Paint It, Black”; in that film, Vincent D’Onofrio’s character is held down and beaten with soap by Joker’s squad. A film set in this country begins with The Doors’ song “The End” playing as an upside-down face fades in. While filming that film set in this country, Martin (*) Sheen had a breakdown and Marlon Brando arrived too fat to play the original ending. A water buffalo is slaughtered while Colonel Kurtz whispers “the horror...the horror” at the end of that *Heart of Darkness*-inspired film set in—for 10 points—what setting of *Full Metal Jacket* and *Apocalypse Now*?**

ANSWER: **Vietnam** [accept **North** or **South Vietnam**] (“Abigail Mead” was Stanley Kubrick’s daughter.) <JR>

7. **A man from this country wrote a novel whose protagonist keeps returning to Paris’s Pont des Arts [paw day-ZAR]. In this country, that protagonist devises a bridge out of boards to connect two houses and deliver some nails and a drink. A man from this country created the critic Morelli, who’s discussed by the Serpent Club. That man from this country wrote about Horacio Oliveira’s search for (*) La Maga in a novel that can be read in any order. A man from this country wrote about an infinite series of hexagonal rooms in “The Library of Babel” and described a book that is also a labyrinth in “The Garden of Forking Paths.” For 10 points, name this country home to Julio Cortázar and Jorge Luis Borges.**

ANSWER: **Argentina** [or **Argentine Republic**; or República **Argentina**] <CK>

8. **The heat flux during this process reaches a local maximum at the end of its nucleate phase. During this process, the addition of calcium carbonate “chips” reduces bumping. An impure solution continuously undergoes this physical process during reflux. The onset point of this process is increased by an amount proportional to a solute’s molality in one example of a (*) colligative property. This process no longer occurs above the critical point of water. This process occurs when vapor pressure exceeds atmospheric pressure, which happens for water as it is heated through 100 degrees Celsius. For 10 points, name this phase change in which a liquid becomes a gas.**

ANSWER: **boiling** [accept **evaporation**; accept **vaporization** before “vapor pressure”; prompt on **distillation**] <SE>

9. **Many of this god’s sons were worshipped in Samo-thrace as the cult of the Cabeiri. In Book 21 of the *Iliad*, this deity battles the river god Scamander. When this god’s semen falls onto the earth, it is absorbed by Gaia, who proceeds to become pregnant with Erich-thonius. In Hesiod’s *Theogony*, this god’s wife is listed as (*) Aglaea. This father of Periphetes [puh-RIH-fuh-teez] uses a cursed chair with invisible chains to ensnare his mother Hera; in another myth, this god exposes an affair between his wife Aphro-dite and her lover Ares. For 10 points, name this Greek god of the forge.**

ANSWER: **Hephaestus** [do not accept or prompt on “Vulcan”] <AF>

10. **After one of these events, William Thomas Turner was investigated by the Board of Trade for not “zig-zagging.” Robert Lansing took his highest office in the aftermath of one of these events. The Marconi radio company received a massive publicity boost for its role in a (*) 1912 one of these events. Robert Ballard is best-known for exploring the sites of these events. William Jennings Bryan resigned after one of these events that hastened America’s entry into WWI, since British propagandists claimed that the Germans’ *U-20* had targeted a completely civilian vessel. For 10 points, name this type of disaster that befell the *Lusitania* and the *Titanic*.**

ANSWER: **shipwreck** [accept any answer that describes the **sinking** of a **ship**] <AF>

11. **An artist from this movement made namesake cameraless photograms by placing objects directly on photosensitive paper. That artist from this movement created an “Object to Be Destroyed” and *Le Violon d’Ingres*. Another artist from this movement used (*) Mae West’s face as the basis for an apartment including a sofa shaped like a pair of lips. An artist from this movement attached a photo of an eye to the arm of a metronome, and made a photo of a woman’s back with a violin’s F-holes added. Another artist from this movement painted melting clocks in his *The Persistence of Memory*.** For 10 points, name this movement of Man Ray and Salvador Dalí.

ANSWER: Surrealism [accept word forms; accept Dadaism] <JR>

12. **Description acceptable. The discovery of a binary system consisting of two neutron stars, one of which had this property, was awarded the 1993 Nobel in Physics. Black holes with this property are described by the Kerr metric. Black holes can be described completely by their mass, charge, and this other property, by the (*) no-hair theorem. Uranus is unusual in that it has this property parallel to the plane of the ecliptic. For a satellite, the rate of this process becomes matched to the orbital period in tidal locking. Pulsars are neutron stars with this property. It maintains the shape of spiral galaxies. For 10 points, name this property that makes planets and stars stars bulge out due to centrifugal force.**

ANSWER: rotation [accept word forms like rotating; accept descriptive answers like spinning, having nonzero angular momentum; prompt on pulsars] <HK>

13. **This man reopened a route for shipping grain from the Black Sea with naval victories at Cyzicus and Abydos. Just before this man died, Conon ignored this man’s advice to move out of a bad strategic position, causing Conon’s ships to get smashed by Lysander’s at Aegospotami. He advocated for a campaign that was thought cursed after numerous statues of (*) Hermes were desecrated. In exile, he worked with Tissaphernes, a Persian satrap. He ended up warning Sparta about the Sicilian Expedition, a project he had previously headed along with Nicias. Socrates’s attempt to seduce this man is recounted in Plato’s *Symposium*.** For 10 points, name this Athenian who switched sides multiple times in the Peloponnesian War.

ANSWER: Alcibiades <JW>

14. **The most common test for determining whether a material can cause this process involves culturing strains of *Salmonella*. A material’s ability to cause this process is measured in the Ames test, and the Luria–Delbruck experiment demonstrated that this process occurs in *E. coli* in the absence of selection. One type of this process is divided into silent, (*) missense, and nonsense classes. The “frameshift” type of this process consists of insertions and deletions, while a change in a single base is known as the “point” example of this process. For 10 points, name this process in which an organism’s DNA is permanently altered.**

ANSWER: mutations [prompt on molecular evolution] <AF>

15. **One of this author’s plays begins with the title character hailing “the world’s soul” while standing in front of his gold. Another of his plays is titled for an event featuring an unlicensed Puritan sermon and a puppet show by a playwright whose name refers to his lack of talent. In a play by this author, “Captain Face” convinces Doll Common and (*) Subtle to help him run a con during a plague. He wrote a play in which Peregrine befriends Sir Politic Would-Be, and three men are each convinced by Mosca that they are the heir to the title man’s wealth. For 10 points, name this 17th-century English author of *Bartholomew Fair*, *The Alchemist*, and *Volpone*.**

ANSWER: Ben(jamin) Jonson <MK>

16. One of this man's songs begins with the major chords "B D, G B-flat, E-flat" in three quick bars. This man punningly remade Miles Davis's "Tune Up" into another song with a major-third-based progression. He worked with Eric Dolphy on albums for Impulse Records like *Africa/Brass*. Pianist McCoy Tyner played on an album by him consisting of the tracks (*) "Pursuance," "Restitution," "Psalm," and "Acknowledgement." He played sax next to Cannonball Adderley on *Kind of Blue*, and included tracks like "Countdown" and "Naima" on an album made seven years before his 1967 death. For 10 points, name this saxophonist behind *Giant Steps* and *A Love Supreme*.

ANSWER: John (William) Coltrane <JR>

17. The conclusion of a book in this language describes the "sickly-sweet, feminine revenge" one feels on putting one's hand in slime. That book in this language draws on Heidegger to propose a kind of "transcendence" that "nihilates" "facticity." Philosophers in this language built on Husserl's work to describe one's ethical obligation to the Other. A book in this language opens claiming that the only "truly serious philosophical (*) problem" is suicide and declares at the end that "one must imagine [the title character] happy." The existentialist books *Being and Nothingness* and *The Myth of Sisyphus* were written in—for 10 points—what language of Jean-Paul Sartre and Albert Camus [cah-MEW]?

ANSWER: **French** [or **Français**] <JR>

18. This man names a system of non-SI units in which the constant in Coulomb's law is exactly 1, and electric and magnetic fields have the same dimension. That system includes a unit equal to 10,000 teslas that is named for this man, which measures the strength of magnetic fields. A law sometimes named for him states that the divergence of the (*) magnetic field is zero, forbidding the existence of magnetic monopoles. That law is one of two named for him that are paired with Ampère's and Faraday's laws to form Maxwell's equations. For 10 points, identify this German mathematician who names an improvement to Coulomb's law for calculating electric fields.

ANSWER: Carl Friedrich **Gauss** [rhymes with "house"] <SE>

19. In this war, a massacre after the Battle of Frenchtown led to the rallying cry of "Remember the River Raisin!" A single ship in this war defeated five enemy ships, including the *Java* and the *Guerriere*. A military action in this war was followed by a tornado, in a storm that "saved" a city. This war was partly sparked by Macon's Bill Number 2, and the Era of (*) Good Feelings began after it. Tecumseh's rebellion is often folded into this war. Edward Pakenham was defeated by Andrew Jackson at the Battle of New Orleans after this war ended via the Treaty of Ghent. For 10 points, name this war that resulted in the burning of Washington D.C. by British troops.

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

20. One of these people named Macandal becomes the Lord of Poison and inspires another one to transform into a goose at the end of a novel whose preface coined the phrase "marvelous reality." Ti Noel is one of these people in Alejo Carpentier's [ah-LAY-hoh car-pen-TEER's] *The Kingdom of This World*. A former woman of this kind flees to a new home at 124 (*) Bluestone Road and, near the end, attacks a white man with an ice pick. In another novel, Tom Loker hunts one of these people named Eliza after she flees to Canada. Sethe decides to kill her children rather than let them return to this status in Toni Morrison's *Beloved*. For 10 points, name these people who include Harriet Beecher Stowe's Uncle Tom.

ANSWER: **slaves** [accept **ex-slaves**, **escaped slaves** or similar answers] <MK>

Tiebreaker

21. **This molecule was found in the highest proportion by Erwin Chargaff while formulating his rules. This molecule, which contains no oxygen, consists of an amine attached to a 4-nitrogen heterocycle composed of a 5-member ring fused to a 6-membered ring. Derivatives of it are attached to a flavin or a nicotinamide derivative to form the usual active forms of vitamins B2 and B3. Many of these molecules are attached to the (*) 3-prime end of new mRNA. A molecule in which this molecule is bonded to ribose and three phosphate groups forms the cell's energy currency. This purine forms two hydrogen bonds with uracil. For 10 points, name this nucleobase complementary to thymine.**

ANSWER: **adenine** [accept **A**; accept **poly(A)** tail; do not accept or prompt on "adenosine"] <JR>

Bonuses

1. In a play by this man, Troy Maxson attempts to prevent his son Cory from playing football for fear he will be racially discriminated against. For 10 points each:

[10] Name this author of *Fences* and a play in which Boy Willie attempts to sell the title object, *The Piano Lesson*.

ANSWER: August **Wilson** [accept Frederick August **Kittel** Jr.]

[10] The only part of Wilson's Pittsburgh Cycle not to be set in Pittsburgh is this play, in which Levee stabs Toledo, and Sylvester overcomes his stutter to record the intro to the title song.

ANSWER: ***Ma Rainey's Black Bottom***

[10] In *The Piano Lesson*, one of these spirits tries to prevent the movement of the title piano. Ebenezer Scrooge is visited by spirits of this kind representing Christmas Past, Present, and Future in *A Christmas Carol*.

ANSWER: **ghosts** [accept clear equivalents like **specters**] <CK>

2. J. Edgar Hoover dubbed this movement "the greatest threat to the internal security" of the U.S. For 10 points each:

[10] Name this revolutionary socialist group active throughout the 1970s in assessing and combating police brutality. Its members included founders Huey P. Newton and Bobby Seale, as well as Angela Davis.

ANSWER: **Black Panther** Party [accept **BPP**]

[10] The Black Panthers were among the many radical organizations targeted by *this* U.S. intelligence service's program COINTELPRO. J. Edgar Hoover directed this agency for many years.

ANSWER: **FBI** [or **Federal Bureau of Investigation**]

[10] Perhaps the best-known martyr of the Black Panthers was this chair of the Illinois chapter. The Weather Underground declared war on the government after this man was killed in 1969 by FBI agents in his own apartment.

ANSWER: Fred **Hampton** <MK>

3. For 10 points each—name the following types of electric current:

[10] 60 hertz is the standard American oscillation frequency for *this* type of current, which is used to deliver electricity to homes. It is contrasted with direct current.

ANSWER: **alternating** current [or **AC**]

[10] The current through an Esaki diode operates via this purely quantum mechanical process, in which a particle leaps from one side of a classically forbidden region to the other.

ANSWER: quantum **tunneling** [or **tunneling** current]

[10] Changing magnetic fields induce these current loops in resistive materials. They dissipate energy and are sometimes used as brakes for high-speed trains.

ANSWER: **eddy** currents <SE>

4. This man's unfinished late writings were published in volumes like *On Certainty* and *Remarks on Colours*. For 10 points each:

[10] Name this logician and philosopher whose studies with Bertrand Russell culminated in his *Tractatus Logico-Philosophicus*.

ANSWER: Ludwig (Josef Johann) **Wittgenstein**

[10] One of Wittgenstein's later ideas is often summarized by saying that, for a word, *this* property "is use," as opposed to being fixed in advance by authorities. Semantics is the study of this property of words.

ANSWER: **meanings** [prompt on **definitions**]

[10] Wittgenstein's ideas on semantics were similar to those of *this* earlier thinker, who distinguished "language" from "speech" and "signifiers" from the "signified." He coined the terms "synchronic" and "diachronic."

ANSWER: Ferdinand de **Saussure** <JW>

5. This form "evolved" from the rounded binary forms used in the mid-18th century. For 10 points each:

[10] Name this musical form typified by an exposition, a development, and a recapitulation of the exposition. It's the namesake of instrumental works that are like the solo equivalent of symphonies.

ANSWER: **sonata** form

[10] A brief concluding passage usually follows the recap and is given this name. This term for a concluding passage means "tail" in Italian.

ANSWER: **coda**

[10] Secondary themes in major-key sonatas are generally set in the major key of the dominant, or "five." In minor-key sonatas, the secondary theme is in the major key of *this* scale degree.

ANSWER: the **mediant** [or **third**; or **three**; or **mi**; prompt on answers including the word **relative**] <JW>

6. This novelist was first published by *Encyclopedia Britannica* publisher Archibald Constable. For 10 points each:

[10] Name this British author of the poem *The Lady of the Lake*, who popularized the historical novel in Europe with an 1814 novel.

ANSWER: Sir Walter **Scott**

[10] Robin Hood was reinterpreted as the character Locksley for this novel by Sir Walter Scott, which is part of his *Waverley* series.

ANSWER: **Ivanhoe**

[10] In Scott's *The Heart of Midlothian*, Jeanie Deans attempts to free her sister Effie from Old Tolbooth, one of these locations. Oscar Wilde wrote "De Profundis" while in one of these institutions in Reading.

ANSWER: **prison** [or **jail**] <MK>

7. This virus is the only member of genus *Lentivirus* that infects humans. For 10 points each:

[10] Name this virus divided into a virulent subtype found globally and a less-virulent subtype endemic to Africa. Untreated cases of infection with this virus lead to AIDS.

ANSWER: **HIV** [or **Human Immunodeficiency Virus**]

[10] This was the first drug to treat HIV. This drug consists of a nucleoside with a nitrogenous tag, which interferes with production of new HIV DNA.

ANSWER: **AZT** [or **azidothymidine**; or **ZDV**; or **Zidovudine**]

[10] HIV mainly infects T cells, but can also infect these large white blood cells that mostly engage in phagocytosis. They are divided into subtypes depending on if they encourage inflammation or tissue repair.

ANSWER: **macrophages** <AF>

8. This man owned the soccer team A.C. Milan from 1986 until the beginning of 2017. For 10 points each:

[10] Name this man who resigned as Prime Minister of Italy in 2011. He controversially owns all of Italy's major media corporations, and was found guilty of paying for an underage prostitute.

ANSWER: Silvio **Berlusconi**

[10] Berlusconi founded this political party in 1994, a year before he became prime minister. He later re-founded this party in 2013.

ANSWER: **Forza Italia**

[10] Berlusconi set up the Mitrokhin Commission to smear his leftist opponents by tying them to *this* organization, the successor to the NKVD.

ANSWER: **KGB** [or **Komitet gosudarstvennoy bezopasnosti**] <SPQR>

9. Anyone who solves one of these problems is entitled to a million-dollar reward from the Clay Mathematics Institute. For 10 points each:

[10] Name this set of unsolved problems in mathematics. Naturally, the million-dollar prize was declined by the only man to solve one so far.

ANSWER: **Millennium Prize** Problems [accept **Millennium Problems**]

[10] Grigori Perelman declined the prize for proving the Poincaré conjecture, which concerns three-manifolds, which are analogous to *these* objects. These two-dimensional objects include toruses, planes, and Klein bottles.

ANSWER: **surfaces** [prompt on 2-manifolds]

[10] The best-known Millennium Prize problem is to prove *this* hypothesis about the zeros of a complex-valued function, which has massive implications for the distribution of prime numbers.

ANSWER: **Riemann** hypothesis <JW>

10. For 10 points each—name some of the tools and techniques of Renaissance and Baroque art:

[10] A mainstay of the typical palette were the three main “earth pigments,” employed heavily by artists like Rembrandt to depict varying shades of brown. Name *any* one of the three earth pigments.

ANSWER: **umber** OR **sienna** OR **ochre**

[10] Umber was used by Baroque artists in the “dark” sections of works characterized by *this* painting style, which features extremely sharp contrast between light and shadow.

ANSWER: **chiaroscuro** [kya-roh-SKOO-roh] [accept **tenebrism**]

[10] Before oil painting took off in Italy, most panel paintings were made in tempera, in which the pigment is usually suspended in *this* animal product. This medium was occasionally replaced by glue, milk, or honey.

ANSWER: **eggs** [accept more specific answers like egg **yolks** or chicken **eggs**; do **not** accept or prompt on “egg whites”] <JW>

11. This country’s independence movement led to the fall of the French Fourth Republic in 1958. For 10 points each:

[10] Name this African country eventually recognized by the Evian Accords in 1962.

ANSWER: People’s Democratic Republic of **Algeria** [accept al-**Jazā'ir**, **Dzayer** or **Algérie**]

[10] The recognition of Algeria was the main reason for Jean Bastien-Thiry’s attempted assassination of this president. This President of France throughout the 1960s led the Free French during World War II.

ANSWER: Charles **de Gaulle**

[10] This group was at the front of the drive for Algerian independence. It eliminated the rival MNA faction in the Café Wars.

ANSWER: **FLN** [or **Front de Libération Nationale**; or **National Liberation Front**] <MK>

12. For 10 points each—answer the following about mythical materials that are coarse, rough, and, at times, irritating:

[10] When he steals fire from the gods, this Greek Titan is bound by chains of the unwieldingly impenetrable material adamantine.

ANSWER: **Prometheus**

[10] In the past, the solidified urine of this animal was collected for its supposed magnetic properties. In the *Metamorphoses*, a king of Scythia is transformed into this animal when he attacks Triptolemus.

ANSWER: **lynx**

[10] The mythology of *these* people describes a scarred and deformed monolith that emerges from the earth after a battle. Many of their creation myths are set during the so-called “dreamtime”.

ANSWER: Australian **Aborigines** [or the **Aboriginal Australian** people or obvious equivalents; prompt on the **Australian** people] <SPQR>

13. This is the theoretically most efficient process for the conversion of heat into work. For 10 points each:

[10] Name this process in which a gas is reversibly expanded and compressed in four steps.

ANSWER: **Carnot** cycle [accept **Carnot** heat engine; accept Sadi **Carnot**]

[10] In the Carnot cycle, heat travels from the hot reservoir to the cold one, following *this* German's version of the second law of thermodynamics. He names the equation for the slope of a coexistence curve along with Clapeyron.

ANSWER: Rudolf (Julius Emanuel) **Clausius** [accept **Clausius–Clapeyron** equation]

[10] This quantity is held constant in two steps of the Carnot cycle. The efficiency of the engine is a function of the difference in this quantity between the two baths, as measured in Kelvins.

ANSWER: **temperature** [prompt on **T**] <CK>

14. In this woman's most famous novel, Ifemelu starts the blog "Raceteenth" after moving to America. For 10 points each:

[10] Name this Nigerian author of *Americanah*.

ANSWER: Chimamanda Ngozi **Adichie**

[10] "Raceteenth" refers to the holiday Juneteenth, which titles an unfinished second novel. *This* was its author's first novel, whose unnamed black narrator is forced into a "Battle Royale" and meets Ras the Destroyer.

ANSWER: **Invisible Man**

[10] *Invisible Man* was written by this man.

ANSWER: Ralph (Waldo) **Ellison** <JR>

15. This artist has derived many motifs in her art from the hallucinations she has experienced as a result of childhood abuse. For 10 points each:

[10] Name this contemporary Japanese artist known for her extensive use of polka dots and her "infinity mirror" rooms.

ANSWER: Yayoi **Kusama** [accept names in either order]

[10] Kusama's use of bright colors and repeated images had a major influence on Andy Warhol and other artists of *this* movement. This movement centered on the ironic use of images like comics and advertisements.

ANSWER: **pop** art

[10] In 2017, a major Kusama retrospective opened at the Hirshhorn Museum in *this* American city. I.M. Pei designed the East Building of a gallery in this city that's home to the only Da Vinci in the Western Hemisphere.

ANSWER: **Washington, D.C.** [accept either, or **District of Columbia**] <JR>

16. The term for this type of travel in Hindi is *yatra*. For 10 points each:

[10] Give this general term for travel to holy sites. The Kumbh Mela is a widespread example of this practice that also includes going to Varanasi to celebrate the festival of Dev Deepavali.

ANSWER: **pilgrimage** [prompt on any answer describing a **journey**, **expedition**, etc.]

[10] The Kumbh Mela involves a pilgrimage to Varanasi and other cities to visit *this* kind of site, which is accessed through steps called *ghats*. Kumbh Mela also thus contributes to the massive pollution of these sites in India.

ANSWER: **rivers** [accept more specific answers like **riverbanks** or the **Ganges**]

[10] Varanasi is home to two temples dedicated to *this* Hindu deity. This goddess's victory over the buffalo demon Mahishasura is celebrated on a festival named for her "Puja."

ANSWER: **Durga** [accept **Durga Puja**] <AF>

17. For 10 points each—answer the following about sports...through their relations to *League of Legends*:

[10] NRG Esports, a team in the League Championship Series, announced in 2016 that this former Yankees shortstop and later third baseman nicknamed “A-Rod” was an investment partner.

ANSWER: Alex **Rodriguez** [or Alexander Emmanuel **Rodriguez**]

[10] This NBA team became the first major American sports organization to invest in eSports when they bought Team Dignitas and Team Apex. This Atlantic Division team had the worst record of the 2015–16 season.

ANSWER: **Philadelphia 76ers** [accept either]

[10] Starting in 2018, Riot Games’s League Championship Series has been converted to *this* type of league. Leagues of this type guarantee spots to teams, unlike in European-style promotion/relegation systems.

ANSWER: **franchise** system [accept word forms] <AF>

18. The first holder of this office was aptly termed the “Apostle to the English” and was named Augustine. For 10 points each:

[10] Name this office now held by the leading bishop of the Church of England.

ANSWER: **Archbishop of Canterbury**

[10] This Archbishop of Canterbury wasn’t known for being-particularly religious before his election in 1162. He was murdered after declaring his opposition to the Constitutions of Clarendon.

ANSWER: Thomas à **Becket** [prompt on **Thomas**]

[10] A number of Norman Archbishops of Canterbury, including Theobald, Lanfranc, and Saint Anselm, had earlier been monks at *this* Norman abbey.

ANSWER: Abbey of Our Lady of **Bec** [or Abbaye Notre-Dame du **Bec**] <SPQR>

19. Aleksandr Solzhenitsyn refused to receive this award in person for fear of being expelled permanently from the USSR. For 10 points each:

[10] Name this annual literary award, which Boris Pasternak was forced by the USSR to decline. Bob Dylan was controversially given it in 2016.

ANSWER: **Nobel Prize in Literature**

[10] Solzhenitsyn’s character Ivan Denisovich is a member of Gang 104 along with a Baptist with this first name. This is the first name of the youngest Karamazov brother, who’s a novice in a monastery.

ANSWER: **Alyosha** [accept **Alyoshka** or **Alexei**]

[10] Solzhenitsyn notoriously accused fellow Nobel laureate Mikhail Sholokhov of plagiarism. Sholokhov worked in *this* literary style, which was founded by the 1906 novel *Mother*.

ANSWER: **socialist realism** [prompt on partial answer] <MK/JR>

20. This region’s name is the Arabic word for “shore” or “coast.” For 10 points each:

[10] Name this semi-arid region that covers most of Niger [nee-ZHEHR].

ANSWER: **Sahel**

[10] The Sahel is sometimes also given a name shared by this country, which has its capital at Khartoum.

ANSWER: Republic of the **Sudan** [accept North **Sudan**; do **not** accept or prompt on “South Sudan”]

[10] Wind-borne sand from the Bodélé Depression just north of the Sahel is a major source of phosphorus for the Amazon rainforest. That’s because the sand is rich in the remains of *these* algae that have cell walls made of silica.

ANSWER: **diatoms** [accept **diatomaceous earth** or **diatomite**] <MK>

Tiebreaker

21. For 10 points each—answer the following about communications technology in the Pacific front of World War II:

[10] Radio broadcasters of Japanese propaganda, who were mostly women, became known in the U.S. by *this* nickname, which was roughly equivalent to the European “Axis Sally.”

ANSWER: **Tokyo Rose**

[10] The U.S. breaking of the main Japanese naval code proved a massive advantage in this 1942 battle, in which all four of Japan’s large aircraft carriers were sunk. This battle was followed by Guadalcanal.

ANSWER: Battle of **Midway**

[10] For their part, Japan was never able to break the U.S. code, since much sensitive communication was delivered by “code talkers” from *this* Native American people of the Southwest.

ANSWER: **Navajo** <JR>