Bulldog High School Academic Tournament 2021 (XXX): "I feel like ACF Regionals 2021 is a confusing subtitle for a set that's not ACF Regionals 2021."

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Packet 11 Tossups

1. An exchange of sonnets led this poet to call a man "the first of my friends" in a "little book" written in "the vulgar tongue." Along with Cavalcanti, this poet of a "Sweet New Style" vowed in that work to say of his beloved "what has never been said of any woman." In a later work, this poet describes that woman being borne on a (*) griffin-drawn chariot followed by seven women representing the cardinal and theological virtues. This poet of *La Vita Nuova* enters the Empyrean circle in the last of three long poetic works, the first of which begins "midway upon the journey of our life" in a dark forest. For 10 points, Beatrice leads what poet of *The Divine Comedy* through Paradise?
ANSWER: **Dante** **Alighieri** [accept either underlined portion; accept Durante degli **Alighieri**] (MGS)

2. A college degree or use of a prestige dialect are examples of a kind of capital that is described by this concept and was theorized by Pierre Bourdieu. A collection of essays by Edward Said that discusses *Mansfield Park*'s silence on slavery is titled for *[this concept] and Imperialism*. Ruth Benedict drew a distinction between versions of this concept governed by (*) shame and guilt in a book titled for *Patterns of [it]*. In that book, she described this concept as "personality writ large." Cross-[this concept] paradigms of psychology study how behaviors differ across societies as a result of it. For 10 points, name this sum total of behaviors, institutions, and beliefs which characterize a society.
ANSWER: **culture** [accept word forms like **cultural**; accept **cultural** capital; accept ***Culture** and Imperialism*; accept *Patterns of **Culture***; accept cross-**cultural** psychology] (HK)

3. One composer from this country created a table of ornaments later copied by Bach. This country's Baroque "broken style" of arpeggiated playing features in harpsichord pieces like *Mysterious Barricades*. A music theorist from this country who came under fire during the "War of the Buffoons" wrote *Treatise on Harmony*. Bach's second Clavier-Übung includes an (*) Overture in the style of this country. A composer from this country died from gangrene after smashing his baton into his foot. This country's comédie-ballet genre was pioneered by Lully, Beauchamp, and Molière. For 10 points, name this country home to Baroque composer Jean-Baptiste Rameau.
ANSWER: **France** [or Kingdom of **France**; or Royaume de **France**] (The first clue refers to Jean-Henri d'Anglebert's *Pièces de clavecin*, and the second clue to *style brisé / luthé*.) (DM)

4. Paul Scherrer called for this country to acquire nuclear weapons in the 1960s. In 1971, this country introduced women's suffrage for federal elections, though local elections in Appenzell Innerrhoden remained male-only until 1990. The quartz crisis of the 1970s and 80s disrupted a major industry in this country, leading to the creation of the (*) Swatch Group. Nazi Germany laundered huge amounts of gold through this country's banks, where many German Jews had opened anonymous numbered accounts. With a western neighbor, this country provided the site for the CERN. For 10 points, name this neutral European country whose alpine cities include Geneva and Zurich.
ANSWER: **Switzerland** [or **Swiss** Confederation] (JS)

5. *Description acceptable.* **A character with this ability is carried into the sky by his brother Nathan in the season one finale of *Heroes*. In *Magic: The Gathering*, both variants of the Legendary creature Sakashima have this ability. In the second-season finale of *Umbrella Academy*, it is revealed that Lila Pitts has this ability. An eye kept covered by a headband that once belonged to Obito Uchiha gives (*)** Kakashi this ability in *Naruto*. This ability notably did *not* appear in the first entry in one series, a Game Boy game subtitled *Dream Land*. Kirby uses this ability by inhaling enemies. For 10 points, name this ability possessed by Mr. Mime and Ditto, which they use through moves like Mimic.
ANSWER: **copying** other peoples' **abilities** [accept any answer describing **replicating** or **stealing** **other people's powers**; accept **Empath**; accept **power replication**; accept **Mimic** until mentioned; prompt on copying or stealing or equivalents that don't mention that abilities or powers are being stolen by asking "copying or stealing what?"] (ST)

6. **Though this mineral has trigonal symmetry, it often exhibits pseudohexagonal Dauphiné** ["doe-fin-AY"] **twinning. This mineral's high-symmetry beta type is unstable below 573 degrees Celsius but can be preserved in volcanic rocks. This mineral's high-pressure polymorphs, coesite and stishovite, are found alongside the planar deformation features that characterize this mineral's (*)** "shocked" type. Finely-interleaved grains of this mineral and moganite make up chalcedony ["kal-SED-uh-nee"]. This piezoelectric mineral is found in colored gemstones including citrine and amethyst. For 10 points, name this common silicate mineral that has a Mohs hardness of 7 and the chemical formula SiO_2.
ANSWER: **quartz** [accept **silica**; accept **silicon dioxide** or **SiO2** before "SiO_2," is read] (SL)

7. **This woman sorts a pile of agricultural tools she finds lying in a temple. After waking on a grassy field, this woman enjoys a feast prepared by invisible servants. In a bid to steal her husband, this woman's jealous sisters jump off a cliff and fall to their deaths when Zephyr refuses to carry them. An oracle earlier warns this woman's parents that she will marry an awful (*)** monster. In *The Golden Ass*, a talking tower instructs this mother of Voluptas to distract Cerberus with barley cakes while she obtains Proserpina's beauty in a labor assigned to her by Venus. This woman spills lamp oil on her sleeping husband while trying to look upon him. For 10 points, name this wife of Cupid.
ANSWER: **Psyche** (DS)

8. **The largest invasive species eradication project ever planned is this region's ongoing attempt to control an invasive beaver population. An 1884 gold rush in this region led to a large influx of Croatian immigrants and the genocide of the Selk'nam people. A dictionary of the Yaghan language was published in the city of (*)** Ushuaia ["oosh-WHY-uh"] in this region. A 20th-century oil discovery in this region led to the Beagle conflict and contributed to Chile's support for the British in the Falklands War. Sometimes called the "end of the world," this archipelago is separated from the mainland by the Strait of Magellan. For 10 points, name this "land of fire" off the coast of South America.
ANSWER: **Tierra del Fuego** [prompt on Patagonia; prompt on Chile before "Ushuaia" is read; prompt on Argentina before "Darwin" is read] (DR)

9. **A poetic speaker of this ethnicity tells a lover that they bring out "the colonizer in me / The holocaust of desire in me."A character of this ethnicity sees bubbles, not faces, in a glass of water poured by a "witch woman." Jeanine Cummins, unlike the characters she depicted in (*)** *American Dirt*, is notably *not* of this ethnicity. Two characters of this ethnicity, Ari and Dante, fall in love and "Discover the Secrets of the Universe." A girl of this ethnicity is encouraged to write by her Aunt Lupe in a novel consisting of 44 vignettes. *The House on Mango Street*'s Esperanza Cordero is, for 10 points, a member of what ethnicity shared by Benjamin Alire Sáenz and Sandra Cisneros?

ANSWER: **Mexican**-American [accept **Chicana**, **Chicano**, or **Chicanx**; prompt on Latina, Latino, or Latinx; prompt on Hispanic] (HK)

10. **The stability of a linear system that is invariant with respect to this quantity can be analyzed with its Laplace transform. This quantity's units are named *last* in a composite unit for energy used by electrical utilities. This quantity times "*R* over *L*" equals a dimensionless factor used to analyze RL circuits. In RC circuits, "*R* times *C*" is a (*)** "constant" named for this quantity. An inductor's voltage drop equals its inductance times the derivative of current with respect to this quantity. Current itself is the derivative of charge with respect to this quantity. For 10 points, voltage and current in AC circuits oscillate as a function of what quantity measured in seconds?

ANSWER: **time** [accept linear **time**-invariant or **time** constant; prompt on hours or seconds; prompt on T] (SE)

11. **Delegates at a party convention in this election sang "Onward Christian Soldiers" as an anthem. Speaker of the House Champ Clark lost in a primary in this election. A steel eyeglass case and a copy of the speech "Progressive Cause Greater Than Any Individual" prevented John Schrank's bullet from killing a candidate in this election. That candidate in this election later endorsed the (*)** "New Nationalism" platform, in contrast to another candidate's "New Freedom" Platform. A candidate in this election said he felt like a "bull moose." William Howard Taft and Teddy Roosevelt both lost to Woodrow Wilson in, for 10 points, what election that occurred two years before World War I?

ANSWER: United States presidential election of **1912** [prompt on '12] (MP)

12. **Pedro Linares popularized the creation of *alebrije* figurines in this medium, in which he'd previously created effigies of Judas and nine-pointed stars. One type of this medium called amate is chiseled in an art form that often features motifs of marigolds and skeletons. A traditional Japanese form of this medium is known as *washi*. Manufacturers of this medium place (*)** watermarks on it. A mixture of water and flour can be applied to this medium to create 3D pieces from it. Maneuvers like "rabbit-ear" and "mountain" can be used to create one thousand cranes of this medium in order to grant a wish. For 10 points, name this medium used in papel picado and origami.

ANSWER: **paper** [accept **paper**-cuts, **papier**-mâché; accept **papel** picado before mention; prompt on any of cartonería, origami, or cutouts by asking "what medium is used to create it?"] (HK)

13. **"A rat done bit my sister Nell" in a spoken-word poem titled "Whitey on [this thing]" by Gil Scott-Heron. A palace lady looks upon this object in the "Marble Stairs Grievance." Another poem commands this object to flee so travellers will not make "necklaces" of its heart and repeats its name thrice. This object and the speaker's shadow "make three of us" in a poem which laments that it "is no (*)** drinker of wine." In another poem by the same author, the homesick speaker bows his head after mistaking this object's effect for frost on the ground. For 10 points, "Quiet Night Thought" by Li Bai describes drinking alone by the light of what celestial object?
ANSWER: the **moon** [or **luna**; or **yuè**; accept **moon**light; accept "Whitey on the **Moon**"; accept "Drinking Alone Beneath the **Moon**"] (DS)

14. **In one story, the orisha Oshun covers herself in this substance and lures Ogun away from his hunt. Muslims place a drop of this substance on a baby's tongue after birth in the Tahnik. The Philistines pressure a woman in Timnah for this answer to a riddle beginning "out of the eater, something to eat." That incident occurs after this substance is found in the (*)** carcass of a lion by Samson. On Rosh Hashanah, apples are often dipped in this substance and eaten. In the Biblical Old Testament, God promises the Israelites a land flowing with milk and this substance. For 10 points, name this substance, which is "sweet to your taste" from the comb.
ANSWER: **honey** [accept **honey**comb; accept **date**s before "Timnah"] (The giveaway quotes from Proverbs 24:13-14.) (AY)

15. **These things make up Damien Hirst's *Veil Paintings*, which Aboriginal artists accused of plagiarism. A pink landscape comprised of these things was painted by Bridget Riley, drawing inspiration from a Post-Impressionist who used these things to depict a yellow-suited man before colorful, pinwheel-like swirls. One artist viewed these things as "a way to infinity." *Portrait of Félix* (*)** *Fénéon* was created by Paul Signac with these objects, which cover pumpkins in Mirror Room installations by Yayoi Kusama. Ben-Day variants of these objects feature in Roy Lichteinstein's comic-book inspired works. For 10 points, give these objects clustered together to form Pointillist paintings.
ANSWER: **dot**s [accept **point**s before "Pointillist"; accept polka **dot**s] (Damien Hirst's *Veil Paintings* were accused of plagiarizing Australian Aboriginal artists like Emily Kame Kngwarreye; Bridget Riley drew early inspiration from Seurat in works like *Pink Landscape*) (AY)

16. **This relation can be derived by taking the natural logarithm of a one-electron reversible reaction written using Boltzmann factors. This equation can also be derived by setting the reaction rate to zero in the Butler–Volmer equation. Unlike the related Goldman equation, this equation applies to only (*)** one ion. This equation can be derived by substituting the Gibbs free energy under standard conditions for negative "nFE." A coefficient of "RT over zF" multiplies the natural logarithm of the reaction quotient in this equation. For 10 points, give this equation named for a German chemist that's used to determine a cell's reduction potential.
ANSWER: **Nernst** equation [accept **Butler–Volmer** equation before "Butler" is read] (AP)

17. **In this region, *dùthchas* ["DOO-khas"] was a sense of collective claim to land. Until the 1820s, this region's Western Isles were a production center for kelp, which was burned to produce alkali. In *Das Kapital*, Karl Marx decried the Sutherland estate for replacing crofters with sheep in this region's Highland Clearances, a part of the enclosure movement. The power of traditional (*)** clan leaders in this region fell after the defeat of the 1745 Jacobite Rebellion. The tartan was solidified as this region's national dress during the visit of George IV, its ruling monarch. For 10 points, name this region that was joined by the 1707 Acts of Union to its southern neighbor, England.
ANSWER: **Scotland** [accept **Scottish** Highlands; accept **Highlands** until "Highland" is read; prompt on Britain or U.K. or United Kingdom until "England" is read; do NOT accept or prompt on "England"] (DM)

18. **Quamina Gladstone led an event of this type that was organized by the members of John Smith's congregation in Demerara. An extensive one of these events was led by Charles Deslondes** ["deh-LOND"] **and resulted in his field execution without trial; that event occurred on the German Coast in the Territory of Orleans. Sengbe Pieh, also known as (*)** Cinqué ["seen-KAY"], led one of these events aboard the ship *La Amistad.* Another of these rarely-successful events occurred on the island of Saint-Domingue ["san-doh-MANG"] under the leadership of the "Black Spartacus," Toussaint Louverture ["too-SAN loo-vair-TOOR"]. The Haitian Revolution began as, for 10 points, what kind of insurrection by people legally considered property?
ANSWER: **slave revolt**s [accept **slave rebellion**s or **slave uprising**s or **slave mutinies** or other equivalents; prompt on revolts or rebellions or uprisings or mutinies that do not mention slaves] (MGS)

19. **This book's preface objects to deletions made by its supposed publisher, Richard Sympson. In this novel, the ghost of Caesar confesses that Brutus's actions were more glorious than his own. This book's protagonist receives the title "nardac" for defeating an enemy fleet, and his description of gunpowder horrifies a king who mistook him for a piece of (*)** clockwork. Debates between the Big- and Little-Endians in this novel center on the optimal heel size and the proper way to crack an egg. A race of intelligent horses despise humanoid Yahoos in this novel. For 10 points, name this Jonathan Swift novel whose title voyager encounters giant Brobdingnagians and tiny Lilliputians.
ANSWER: ***Gulliver's Travels*** [or ***Travels into Several Remote Nations of the World***. *In Four Parts. By Lemuel Gulliver, First a Surgeon, and then a Captain of Several Ships*] (DS)

20. **The R, D, F, and A vortices model this phenomenon's causes. The "pseudo-" form of this process can occur with anagenesis or cladogenesis. Species like the Arakan turtle and mouse deer, which are wrongly thought to have undergone this process, are called Lazarus taxa. A "co-" one of these processes can occur if a (*)** keystone species undergoes this process, and mutational meltdown can also result in this process. A sixth "great" one of these events characterizes the Anthropocene largely as a result of anthropogenic habitat destruction. For 10 points, name this process in which a species fully dies out, which was experienced by dodo birds and dinosaurs.
ANSWER: **extinction**s [accept mass **extinction**s or **extinction** events] (HK)

Tiebreaker
In this author's second novel, Henry calls a group of Black men in a car "a public menace" for speeding without a license or insurance. Later, the protagonist of that novel is horrified to see him and her father attend a Citizens' Council meeting. That novel was published (*) fifty-five years after this author's previous novel, and references Dill's life in Italy and Calpurnia's retirement from housekeeping. In this author's first novel, Boo Radley thwarts an attack on Jem and his sister after their father defended a man falsely accused of rape. For 10 points, name this author who created the characters Scout and Atticus Finch in *To Kill a Mockingbird*.
ANSWER: Harper **Lee** [or Nelle Harper **Lee**] (MGS)

Packet 11 Bonuses

1. An "instrumental" variety of this process underlies Edward Thorndike's law of effect. For 10 points each:
[10] Name this phenomenon which comes in "social" and "observational" varieties, as evidenced by the bobo doll experiment. Lev Vygotsky studied the relationship between this process and human development.
ANSWER: **learn**ing
[10] Vygotsky's ideas on learning were often at odds with this other developmental psychologist, who posited that children develop through discrete stages like the sensorimotor, preoperational, and formal operational.
ANSWER: Jean **Piaget** [or Jean William Fritz **Piaget**]
[10] Vygotsky's hypothesized "zone of proximal development" underpins this teaching method. This method involves teaching children in small steps, which they can connect with the aid of more knowledgeable others.
ANSWER: **scaffolding** (HK)

2. The refrain to one of this group's signature songs advises the listener, "Don't let the sound of your own wheels drive you crazy." For 10 points each:
[10] Name this seventies rock band behind hits like "Take it Easy." Another of this band's songs begins with the speaker driving "On a dark desert highway / Cool wind in my hair."
ANSWER: the **Eagles** (the second song is "Hotel California")
[10] This other artist recalls "Speed so fast it felt like I was drunk" in her folk-rock song "Fast Car," which describes an impoverished young woman's hope for a better life.
ANSWER: Tracy **Chapman**
[10] The speaker of this 2021 smash hit by Olivia Rodrigo finds herself "[driving] through the suburbs / Crying 'cause you weren't around" after she obtained the title document the week before.
ANSWER: "**Drivers License**" (DS)

3. Isaac Newton used infinite series to extend this theorem to all real exponents. For 10 points each:
[10] Identify this theorem that explains how to expand a two-term polynomial. Its namesake coefficients count the number of ways to choose k items from a set of n elements.
ANSWER: **binomial** theorem [accept **binomial** expansion or **binomial** coefficients]
[10] The multiple-angle formulas for trigonometric functions can be derived by combining the binomial theorem with this formula, which expresses the nth power of "cis [“sis”] x" in terms of cosines and sines of "nx."
ANSWER: **de Moivre**'s [“duh MWAV’z”] formula [accept **de Moivre**'s theorem or **de Moivre**'s identity]
[10] The real part of de Moivre's theorem contains this periodic trigonometric function, which has a value of 1 when evaluated at 0.
ANSWER: **cos**ine function (DR)

4. The Mukden Incident, a small railway explosion manufactured as a false flag operation, sparked the invasion of this region. For 10 points each:
[10] Name this region of northeast China that was invaded after that incident on "9-18," 1931. Former Emperor Puyi was soon called in to be the puppet ruler of the resulting protectorate, as his family originated from this region.
ANSWER: **Manchuria** [accept **Manchukuo** or **Manzhou**; accept **Dongbei** or **Northeast China** or equivalent translations; accept **Dōngsānshěng** or **Eastern Three Provinces** or equivalent translations; accept **Guandong** or **Guanwai**; do NOT accept or prompt on "Guangdong"]
[10] This empire invaded Manchuria in 1931 under the Kwantung Army's commander-in-chief Shigeru Honjō, who seized the entire South Manchurian Railway in an act of insubordination against Wakatsuki Reijirō's government.
ANSWER: Empire of **Japan** [or **Nippon**; or **Nihon**]
[10] An earlier 1928 explosion on the South Manchurian Railway, manufactured by the Kwantung Army, killed this warlord. His death ushered in the end of the Beiyang Government's power, leading to China's reunification.
ANSWER: **Zhang** Zuolin (DM)

5. After finding a blue key in her apartment, one character in this film hallucinates that she is being pursued by an elderly couple before committing suicide. For 10 points each:
[10] Identify this film, which follows the actress Diane Selwyn and her alter ego Betty Elms, who attempts to help a car crash victim with amnesia. This David Lynch film is partially set on the title road in Los Angeles.
ANSWER: *Mulholland Drive*
[10] *Mulholland Drive* pays homage to a scene from *Persona*, which depicts the faces of two blonde women seemingly merging in a mirror and was directed by this man. This filmmaker also directed *The Seventh Seal*.
ANSWER: Ingmar **Bergman** [or Ernst Ingmar **Bergman**]
[10] Bibi Andersson starred in *Persona* and this Bergman film, in which she played a hitchhiker doubling for the childhood love of Dr. Isak Borg. This movie follows Borg on a roadtrip to receive a Doctor Jubilaris degree.
ANSWER: *Wild Strawberries* (SL)

6. The patriarch of this family built a mansion called its namesake "Hundred." For 10 points each:
[10] Name this family. That patriarch of this family fathered an illegitimate daughter whom he may have mistakenly named Clytemnestra instead of Cassandra. She murdered her legitimate half-brother, Henry.
ANSWER: **Sutpen** family [accept specific members like Clytie or Clytemnestra **Sutpen**, Henry **Sutpen**, or Thomas **Sutpen**]
[10] Quentin Compson and Rosa Coldfield investigate the mystery of Sutpen's Hundred in this Faulkner novel. It takes its name from King David's Biblical lament for his slain son.
ANSWER: *Absalom, Absalom!*
[10] *Absalom, Absalom!* closes with Shreve McCanon asking Quentin "Why do you hate [this *region*]?" Miss Rosa blames Thomas Sutpen for this region's loss of the Civil War, calling its "deep" part "dead since 1865."
ANSWER: the **South** [accept "Why do you hate the **South**?" or the American **South**] (HK)

7. A form of spectroscopy based on this effect can determine the binding energy of a sample. For 10 points each:
[10] Name this effect which only occurs if the energy of an incident particle is greater than the work function.
ANSWER: **photoelectric** effect [accept **photoelectron** spectroscopy; or **photoemission** spectroscopy; prompt on PES]
[10] For a photoelectron spectrum, the x-axis displays binding energy while the y-axis displays this other quantity. For transition metal complexes, 18 is the ideal value for this quantity counted either by the ionic or covalent method.
ANSWER: **number** of **electron**s [accept more specific answers like relative **number** of **electron**s, **photoelectron count**, **number** of valence **electrons**, or **number** of d-**electron**s]
[10] Photoelectron spectroscopy was first carried out using this type of high-energy radiation. Wilhelm Röntgen discovered this radiation in 1895 and used it to take a picture of the bones in his wife's hand.
ANSWER: **X-ray**s [accept **X-radiation**; prompt on Röntgen radiation] (MP)

8. Answer the following about the naval commander Konon. For 10 points each:
[10] Konon lost this 405 BCE naval battle to Lysander, leading to the start of the "Thirty Tyrants" regime. At this battle, Alcibiades was turned away when he offered to support the Athenians with a Thracian army.
ANSWER: Battle of **Aegospotami**
[10] The Battle of Aegospotami marked Athens's final defeat to Sparta in this war.
ANSWER: **Peloponnesian** War
[10] During a war named for this city-state, Konon helped the Persian satrap Pharnabazus secure victory in the Battle of Cnidus. This city-state was sacked by Mummius in 146 BCE and was located on a namesake isthmus.
ANSWER: **Corinth** (VS)

9. Prolific use of pidgin is one marker of this genre, which often also features call-and-response and funky sections. For 10 points each:
[10] Name this genre that blends West African musical styles with jazz and funk. Fela Kuti coined the name of this genre.
ANSWER: **Afrobeat**s [prompt on Afropop or Afrofusion]
[10] Fela Kuti was an outspoken critic of the military juntas which ruled this country. Burna Boy, a newer Afrobeat artist from this country, has been a proponent of the End SARS protests that shook this country in early 2020.
ANSWER: **Nigeria** [or Federal Republic of **Nigeria**]
[10] Another Afrobeat artist, Bobi Wine, was arrested for holding campaign events in his failed bid as an opposition candidate for the presidency of this country, which has capital at Kampala.
ANSWER: **Uganda** [or Republic of **Uganda**; or Jamhuri ya **Uganda**] (DR/HK)

10. This poet resolves to "slaughter memory / Turn my living soul to stone / Then teach myself to live again." For 10 points each:
[10] Name this Russian Silver Age poet. This woman wrote a "Requiem" for her husband and son containing a "Crucifixion" section which opens, "Weep not for me, Mother, / when I am in the tomb."
ANSWER: Anna **Akhmatova** [or Anna Andreyevna **Gorenko**]
[10] Akhmatova's magnum opus, "Poem without [one of these figures]," asks "what have poets, in any case, to do with sin?" A Mikhail Lermontov novel is also titled for *[one of these people] of Our Time*.
ANSWER: **hero** [accept "Poem without a **hero**"; or *A **Hero** of Our Time*; or "Poema bez **geroya**"; or ***Geroy** nashego vremeni*]
[10] Akhmatova's "Requiem" addresses the horrors of the Great Purge under this leader of the USSR. Osip Mandelstam also titled an "Epigram" for this man who "rolls executions on his tongue like berries."
ANSWER: Joseph **Stalin** [or Ioseb Besarionis dze **Jughashvili**; or Iosif Vissarionovich **Dzhugashvili**] (HK)

11. One painting in this genre by Élisabeth Vigée-Lebrun depicts a woman wearing a wide-brimmed straw hat and holding a palette. For 10 points each:
[10] Identify this artistic genre, which frequently depicts the creator at a canvas and holding a paintbrush. Rembrandt notably painted nearly 100 works in this genre.
ANSWER: **self-portrait**ure [prompt on "portrait"]
[10] Vigée-Lebrun displayed her *Self-Portrait in a Straw Hat* during one of these events "de la Correspondance." An official Parisian one of these events was annually sanctioned by the Academie des Beaux-Arts.
ANSWER: **salon**s
[10] Paintings rejected by the Paris Salon were presented at the Salon des Refusés, which in 1863 featured Manet's *Luncheon on the Grass* and this Whistler painting of Joanna Hiffernan standing on a bearskin rug in the title color.
ANSWER: ***Symphony in White**, No. 1* [or *The **White Girl***] (SL)

12. This city has been called the "City of Widows" for the almost 40,000 widows who live here. For 10 points each:
[10] Name this holiest of the seven holy cities of Hinduism. Many people travel to this city located in Uttar Pradesh hoping to die on the banks of the Ganges River.
ANSWER: **Varanasi** [or **Baranas**; or **Benares**; or **Kashi**]
[10] Many Hindus believe that dying by the Ganges allows one's soul to attain this state of liberation from *samsara*, explaining why so many people come to Varanasi to die.
ANSWER: **moksha** [or **mukti**]
[10] Specifically, many hope this funerary practice will be performed on their bodies on the banks of the Ganges. In the extinct practice *sati*, widows committed suicide as this practice was performed on their husbands' bodies.
ANSWER: **cremation** [accept equivalents involving **burning** one's body; accept ***antyeshti***; do NOT accept or prompt on "burial"] (HK)

13. The 12th-century woman Trota of Salerno is often regarded as the first member of this profession. For 10 points each:
[10] Name this medical profession. As a member of this profession, Trota advocated for the use of pennyroyal pessaries to cure frigidity and opiates to dull the pain of childbirth.
ANSWER: **gynecologist** [accept **obstetrician** or **OB/GYN**]
[10] Abortion miracles were a motif in early medieval hagiography from this island. Saint Brigid founded this island's Kildare monastery in the same century that Saint Patrick arrived to proselytize here.
ANSWER: **Ireland** [or **Éire** ["AY-ruh"]; or **Airlann**]
[10] *Description acceptable.* Female saints were also the main medieval practitioners of this activity. Saint Catherine of Siena took the Eucharist every day while otherwise performing this activity.
ANSWER: **fasting** [accept any answers indicating **not eating**; accept ***anorexia** mirabilis*] (JS)

14. *Firmicutes* ["fer-MICK-you-teez"] and *Bacteroides* ["back-ter-OID-eez"] are the predominant phyla of this ecosystem. For 10 points each:
[10] Name this community of microorganisms that colonize a certain human body organ system. Antibiotics can disrupt this community, leading to diarrhea.
ANSWER: **gut microbiome** [accept **gastrointestinal** tract or **GI** for "gut"; accept **gut flora** or **gut microbiota**; prompt on gut bacteria or equivalents]
[10] Research into the gut microbiome's interaction with the brain has linked the microbiome to neurodegenerative disorders, including *this* dementia-causing disease characterized by beta-amyloid plaque formation.
ANSWER: **Alzheimer**'s disease [prompt on AD]
[10] While some gut bacteria may have anti-cancer effects, this other bacterial genus may instead increase tumor growth rate. Notable members of this genus cause tetanus and secrete the most toxic substance known to man.
ANSWER: ***Clostridium*** [accept specific species like ***Clostridium tetani*** or ***Clostridium botulinum***; prompt on answers like *C. tetani* or *C. botulinum*] (HK)

15. Carl Maria von Weber composed his virtuosic *Grand Duo Concertante* for an ensemble of these instruments. For 10 points each:
[10] Give these two instruments. In addition to a trio and quintet, Brahms dedicated two works for this pairing of instruments to Richard Mühlfeld.
ANSWER: **piano** AND **clarinet**
[10] A downward three-octave jump begins Weber's Clarinet Concerto in E-flat major, followed by a semitone descent the lower limit of this property of the instrument. This property spans roughly C_4 ["C-four"] to C_6 ["C-six"] for sopranos.
ANSWER: **range** [accept vocal **range**]
[10] *Description acceptable*. Weber employed this challenging extended technique, achieved on string instruments via multiple stopping, in his *Concertino for Horn and Orchestra*.
ANSWER: **playing multiple pitches simultaneously** [accept **multiphonic**; accept descriptions and specific numbers of pitches or notes, as long as they are **more than one** and indicate being **played at the same time**] (DM/AY)

16. One of these objects belonging to Pelops, a replacement for the original eaten by Demeter, was lost in a shipwreck on the return voyage from the Trojan War. For 10 points each:
[10] Name these objects. The trick at Mecone, in which these objects were covered with "glistening fat," provides an etiology for why the Greeks offered them to the gods.
ANSWER: **bone**s [accept ox **bone**s; accept Pelops' ivory **shoulder** blade or **scapula**]
[10] This crafty Titan fooled Zeus into choosing bones instead of meat for sacrifice at Mecone. In retaliation, Zeus angrily hid fire from humanity, but this Titan stole it back for them.
ANSWER: **Prometheus**
[10] After surviving a great flood sent by Zeus, this couple correctly interpreted an oracle about the "bones of their mother" by throwing stones over their shoulders to repopulate the human race.
ANSWER: **Deucalion** AND **Pyrrha** [accept in either order; prompt on partial answer] (DS)

17. Literary agent Carmen Balcells helped engineer this 1960s and 70s movement. For 10 points each:
[10] Name this phenomenon that saw many Latin American authors rise to prominence. Though never the purely aesthetic movement many assumed, the McOndo movement parodied this movement's magical realist tendencies.
ANSWER: the Latin American **Boom** [or el **Boom**]
[10] Balcells took the nickname Big Mama from a character created by this Boom author. Even the pope attends the fictional Big Mama's funeral in Macondo in a story by this author of *One Hundred Years of Solitude*.
ANSWER: Gabriel **García Márquez** [or Gabriel José de la Concordia **García Márquez**; prompt on Gabo; do NOT accept or prompt on "García" or "Márquez"]
[10] This Boom author wrote, "Carmen dearest, see you soon," upon Balcells' death. Urania Cabral recounts her childhood and assault by a soon-to-be-assassinated dictator after returning to Santo Domingo in a novel by this man.
ANSWER: Mario **Vargas Llosa** [or Jorge Mario Pedro **Vargas Llosa**; do NOT accept or prompt on "Vargas" or "Llosa"] (HK)

18. On the night of April 18, 1775, this man and William Dawes evaded British patrols to rouse minutemen in the towns around Boston. For 10 points each:
[10] Name this silversmith, who traveled across the Charles River by boat while Dawes, perhaps dressed as a farmer, went across the Boston Neck.
ANSWER: Paul **Revere**
[10] This man, who was involved in the battles at Lexington and Concord, sent Revere and Dawes on their journeys. Despite his commission as a general, this man fought as a private at Bunker Hill, where he was killed.
ANSWER: Joseph **Warren**
[10] Warren sent Revere and Dawes to evacuate John Hancock and this man from Lexington. This man had earlier called a meeting at Faneuil ["FAN-yool"] Hall that sparked an attack on the *Dartmouth*.
ANSWER: **S**amuel **Adams** [prompt on Adams] (DM)

19. A court page describes this character as "a woman rising from a tomb" and "a dead woman." For 10 points each:
[10] Name this woman whose stepfather lusts after her in one play, causing her to leave a feast and learn of a man who prophesies that a child shall "put his hand upon the dragon's lair" and "lead the lions by their manes."
ANSWER: **Salome**
[10] As her reward for dancing the Dance of the Seven Veils, Salome asks for this object. Salome kisses this grotesque object "as one bites a ripe fruit" before she is killed by her stepfather Herod.
ANSWER: the **head** of **John** the Baptist [or of **Jokanaan**; prompt on partial answers]
[10] The tragedy *Salomé* is by this author of *The Picture of Dorian Gray*.
ANSWER: Oscar **Wilde** [or Oscar Finghals O'Flahertie Wills **Wilde**] (MGS)

20. The strength of these devices equals kappa times area times the permittivity of free space, all divided by thickness. For 10 points each:
[10] Name these devices in which two flat conductive sheets are separated by a small gap.
ANSWER: **parallel-plate capacitor**s [prompt on capacitors]
[10] The kappa in the aforementioned expression is a constant describing the strength of one of these insulating, polarizable materials. They are inserted between the plates of a capacitor to increase its capacitance.
ANSWER: **dielectric**s [or **dielectric** material]
[10] William Whewell's letters to this English experimenter coined the term "dielectric," as well as "ion," "anode," and "cathode." This scientist discovered the laws of electromagnetism on which Maxwell's equations are based.
ANSWER: Michael **Faraday** (DM)

Tiebreaker

This law's "Volcker Rule" was intended to prevent banks from engaging in risky speculative investments. For 10 points each:

[10] Name this sweeping financial reform law, designed to protect consumers, that was passed in 2010 after its proposal by President Barack Obama.

ANSWER: **Dodd–Frank** Act [or **Dodd–Frank** Wall Street Reform and Consumer Protection Act]

[10] The Dodd–Frank Act was passed in the wake of the Great Recession, which began in the U.S. with lending malpractices in this industry. Mortgage loans are taken out to buy a main commodity of this industry.

ANSWER: **real estate** [accept **housing** or obvious equivalents]

[10] In particular, the Dodd–Frank Act responded to the failure of this investment bank, which bankrupted itself after overleveraging in real estate loans and was acquired by Barclays and Nomura.

ANSWER: **Lehman** Brothers [or **Lehman** Brothers Holdings Inc.] (MGS)