Packet 11

Tossups

1. **The first Canadian race riot occurred in Shelburne between white and black supporters of this cause. Some supporters of this cause received the initials "U. E." A group of Nova Scotian supporters of this cause are listed in *The Book of Negroes* as those who founded Settler Town, the oldest part of Freetown in Sierra Leone. Supporters of this cause who committed the Wyoming and Cherry Valley Massacres were punished by the Brodhead and (*)** Sullivan Expeditions. The Ethiopian Regiment was formed after Lord Dunmore promised emancipation to slaves who took up arms in support of this cause. Supporters of this cause were often tarred and feathered by groups like the Sons of Liberty. For 10 points, identify this cause whose supporters fought against American independence.
ANSWER: **Loyalism** [or **Loyalist**; accept any answer indicating **support** for the ongoing **British control** of the **American** 13 **colonies**/future **United States**]
<US History, EL>

2. **Rudolf Nureyev revived this ballet with a 1991 performance at the Paris Opera Ballet; Nureyev's version of this ballet is based on choreography for the Kirov Ballet by Vakhtang Chabukiani, who revised one of its variations into the so-called "scarf duet." A variation in Act II of this ballet ends with a woman refusing an antidote and dying holding a basket of flowers. A dance in this ballet begins with 32 women in white costumes running down a ramp, and occurs after a warrior smokes opium, causing him to dream of his beloved in the Himalayas. It centers on the love of the warrior (*)** Solor and the title character, Nikiya, and was composed by Ludwig Minkus and choreographed by Marius Petipa. For 10 points, name this ballet that features a scene in the Kingdom of the Shades, and which is titled for a French term for an Indian temple dancer.
ANSWER: La ***Bayadère*** ("bah-yah-DARE") [or ***Bayaderka***; accept *The **Temple Dancer*** before "temple dancer"]
<Other Art: Ballet, WA>

3. **A character with this first name interrupts four scholars arguing about how medieval people killed cockroaches after walking into the store of a Catalan bookseller. Another character with this first name has a nightmare in which he is the first to enter an entirely white room, and fails to commit suicide because a doctor faked drawing an iodine circle around his heart. A character with this first name spends his later life making and then melting the same (*)** 25 gold fish and has several children who are shot through an ash cross on their foreheads. A pig-tailed child with this name is carried away by red ants; his father of this name translates Melquíades's parchment. José Arcadio, Amaranta, and a character with this name are the children of Úrsula Iguarán ("OOR-soo-lah ee-gwah-RAHN") and the founder of Macondo. For 10 points, give this first name of a colonel in *One Hundred Years of Solitude*.
ANSWER: **Aureliano** [accept **Aureliano** Segundo or Colonel **Aureliano** Buendia or **Aureliano** Babilonia]
<Long Fiction, EL>

4. **When Akeem Daniels sued a website centered on this activity for using his likeness, the Indiana Supreme Court unanimously ruled against him. The "anti-commandeering principle" was the centerpiece of Ted Olson's argument against a federal law targeting this activity, which was struck down on Tenth Amendment grounds in a legal victory for a state law championed by Chris Christie. In 1992, this activity was rendered illegal in states that it was not already legal in by (*)** PASPA, or the Bradley Act. Adam Silver was the first Big Four commissioner to come out in support of legalizing this activity. In 2018, the Supreme Court struck down the federal ban on this activity in *Murphy v. NCAA*, vindicating a legalization movement backed by visitors of "daily fantasy" sites. For 10 points, give this activity facilitated by bookies such as Ladbrokes and DraftKings.

ANSWER: **sports gambling** [or **sports bet**ting; or equivalents that indicate **gambling** on any **sport**; prompt on gambling or betting by asking "on what?"; prompt on fantasy sports by asking "why do they play fantasy sports?"]
<Other/Misc Academic, JC>

5. **When preceded by "complete," this term describes a projective variety *V* in which the ideal of *V* is generated by a number of elements equal to the codimension of *V*. In the Zariski topology, the closed set generated by the sum of two ideals corresponds to this operation on the closed sets generated by each individual ideal. A space is Hausdorff if, given a point, this operation on all of its closed neighborhoods gives the (*)** singleton set. The open sets in the subspace topology are generated by this operation on open sets with the subspace. In topological spaces, this operation may be performed on an arbitrary number of closed sets, or on a finite number of open sets. By De Morgan's laws, this operation exchanges with the union under complementation. For 10 points, name this operation on two sets that results in a set containing only their common elements.
ANSWER: **intersect**ion
<Other Science: Math, AK>

6. **Two characters in this play argue about whether the Duke of Wellington was Catholic after one of them claims that only a Catholic could defeat Napoleon. A character in this play jokes about his brother's habit of reciting Ernest Dowson's "Cynara" to fat prostitutes and denies his own poetic talent, saying that "stammering is the native eloquence of us fog people." A character in this play wanted to be either a nun or a concert (*)** pianist, though she bemoans her arthritic hands. The family of a character in this play accuses him of outwardly worrying about poorhouses so that doctors will give him cheap recommendations; that character's penny pinching leads him to trust Doc Hardy, who diagnoses Edmund with consumption. For 10 points, name this Eugene O'Neill play in which Mary's morphine addiction rankles the Tyrone family.
ANSWER: ***Long Day's Journey Into Night***
<Drama, EL>

7. **Five different traditions of creating these objects are referred to as Gokaden ("go-KA-den"). Many of these objects were created using the *kitae* ("kee-tah-eh") technique, which involved repeated folding. The *ō-dachi* is a very large type of these objects. People who customarily displayed these objects publicly were prohibited from doing so by the Haitōrei ("high-TOH-ray") Edict passed during the (*)** Meiji Restoration. Thousands of these objects were melted down to create the *daibutsu*, or giant Buddha statue, at Hōkō-ji after Toyotomi Hideyoshi ordered a massive hunt for them. A small one of these objects called a *wakizashi* was customarily drawn across the stomach to carry out ritual suicide, or *seppuku*. For 10 points, identify these objects exemplified by the katana.
ANSWER: **sword**s [accept **katana** or **wakizashi** before those words are read; prompt on blades or weapons]
<World History, WA>

8. **Proteins and nucleic acids can be noncovalently functionalized to these materials through pi–pi stacking. These materials can be synthesized using carbon monoxide and a nickel or iron pentacarbonyl catalyst in the HiPCO ("high-P-C-O") method. The *n* and *m* indices of these materials are plotted on diagrams that relate their band gap energy and diameter, known as Kataura ("kah-tah-oo-rah") plots. AC and DC field lines cause solutions of these materials to form vertically-aligned arrays in electrophoretic (*)** chemical vapor deposition. Diazonium salts can be used to separate the semiconducting and metallic varieties of these materials, which adopt zigzag or armchair configurations and can be made by rolling up a sheet of graphene. For 10 points, name these cylindrical allotropes of carbon that come in single or multi-walled forms.
ANSWER: **carbon nanotube**s [prompt on nanotubes before "carbon," but accept it thereafter]
<Chemistry, RRP>

9. **A 2018 retrospective on this artist at the Guggenheim in New York marked the first public display of a number of this artist's plasters. This artist modeled his plaster-cast *Women of Venice* series on his wife Annette. André Breton invited this artist to join his art group after seeing this artist's piece *Suspended Ball*. Jean-Paul Sartre gave the description "moving outlines" to a late characteristic style of this artist, which is exemplified by the five figurines that he placed at random on a black slab in the piece (*)** *City Square*. This artist included insectile features in his surrealist bronze sculpture of a dead body, titled *Woman with her Throat Cut*, and created the plaster piece *Standing Woman* in his characteristic elongated style. For 10 points, name this Swiss artist who created extremely thin human forms in his *Walking Man* series.
ANSWER: Alberto **Giacometti**
<Painting/Sculpture, WA>

10. **This philosopher contrasted thinkers who find truth by "approximation" and by "appropriation" in a work which argued that the concept of "pure thought" leads to suicide. He's not William James, but this philosopher identified a contradiction of "passionate inwardness" and "objective uncertainty" at the core of religious experience, resulting in his formulation that "subjectivity is truth." This philosopher claimed that an individual could move beyond the (*)** rational life "by virtue of the absurd" through simply believing and thus encountering the divine. This philosopher distinguished aesthetic, ethical, and religious modes of existence as three different "stages on life's way" and used Abraham as an example of the latter, calling him a "knight of faith." For 10 points, name this author of *Fear and Trembling* and *Either/Or*.
ANSWER: Søren Aabye **Kierkegaard**
<Thought, WA>

11. **The speaker imagines one of these objects striking "a great thing" in a Juan Ramón Jiménez ("wahn ra-MOAN hee-MEN-ezz") poem that asks "are we standing now, quietly, in the new life?" The speaker claims to have knowledge of "incredible Floridas / Where mingle with flowers the eyes of panthers" in a poem titled for these objects that declares "But, in truth, I have wept too much! The dawns are heartbreaking / Every moon is atrocious and every sun bitter." That poem titled for these objects describes naked men nailed to "coloured stakes" by (*)** "yelping redskins." A man in one of these objects meets his fate beneath a cliff in Heinrich Heine's ("HIGH-nuh's") poem "Die Lorelei" ("dee LOR-uh-lye"). A disaster involving a "smart" one of these objects and ice is described in Thomas Hardy's "The Convergence of the Twain." Arthur Rimbaud ("ram-BOH") wrote of a "Drunken" example of, for 10 points, what vessels?
ANSWER: **ship**s [or **boat**s; accept any specific type of ship or boat, except perhaps spaceships; accept The Drunken **Boat** or Le **bateau** ivre] (The first poem mentioned is "Ocean.")
<Non-Epic Poetry, WA>

12. **Some members of this religious tradition memorize a poem called "Song of the Jeweled Mirror," which presents metaphors for retaining teachings about "suchness." Five poems from this religious tradition that explain the relations of absolute and relative are called the *Five Ranks*. A teacher within this tradition explained the concepts of mystery in essence, mystery in words, and mystery in mystery as the Three Gates. That patriarch within this tradition is named (*)** Linji, who is elsewhere known as Rinzai. Bodhidharma introduced this tradition to China. In this tradition, one gains insight into one's own Buddha-nature, or *kenshō*, during a sudden enlightenment called *satori*. The saying "If you meet the Buddha, kill him" is one of the *koan* parables taught in, for 10 points, what tradition popular in Japan that emphasizes meditation?
ANSWER: **Zen** Buddhism [or **Chan** Buddhism; accept **Rinzai** school or **Linji** school before "Linji"; prompt on Mahayana Buddhism or Buddhism]
<Religion, WA>

13. A "fly of the pants" version of this title was awarded to men who had seven or more sons. People with this title were prohibited from working for a living and exempted from taxes, unlike *pecheros* of both similar and lower status, though this privilege was abolished by the Bourbon reforms. This is also the surname of a man who led an army of irregulars to victory in the Toluca Valley at the Battle of Monte de las Cruces. That leader with this surname commanded Ignacio Allende and (*) José Morelos, and rose to prominence by calling mass and shouting "Death to bad government!" in 1810 in the "Grito de Dolores." A priest with this surname was executed after leading peasants in revolt against the Spanish government of Mexico. For 10 points, give this Spanish title of nobility that appears in the original language title of Don Quixote.
ANSWER: **hidalgo** [or **fidalga**; accept Father **Hidalgo** or Miguel de **Hidalgo** y Costilla] (The first clue refers to the title *hidalgo de bragueta*.)
<Continental post-600 History, WA>

14. A piece in G minor in this genre begins slowly and quietly with the following measure in 3/8 ("three-eight") time: [read slowly] "rest, high B-flat, high A," followed by a measure in which the same notes are played an octave lower. It's not a piano sonata, but the *rondo* finale of a piece in this genre by Mozart switches from 3/4 ("three-four") to 2/4 ("two-four") time during a section of Ottoman-inspired music. Mozart wrote five confirmed pieces in this (*) orchestral genre, the most popular of which are his third, in G major, and his fifth, the so-called "Turkish" one. A piece in this genre depicts a cuckoo singing in a dry climate that is interrupted by a thunderstorm. The composer of that programmatic piece paired it with a sonnet, like three of the other pieces from *The Contest Between Harmony and Invention*. For 10 points, identify this genre of the four pieces that comprise Antonio Vivaldi's *The Four Seasons*.
ANSWER: **violin concerto** [prompt on **concerto**] (The piece in the first clue is "Summer.")
<Classical Music/Opera, WA>

15. When using a delta-shell potential, this quantity's variation with incident energy exhibits a Breit–Wigner curve with resonances at energies associated with quark–antiquark bound states. This quantity's maximum value, according to the unitarity limit imposed by quantum theory, is a factor of 4 times larger than its classical value. It equals [read slowly] "four pi, divided by the wave amplitude, times the imaginary component of the forward amplitude" by the optical theorem. For one process, this quantity can be computed by taking the integral across all angles of the (*) Klein–Nishina formula. This quantity is often given in units of 10-to-the-negative-28th square meters, or barns. Its differential equals the number of particles that take a trajectory at a given angle divided by incident flux. A lowercase sigma symbolizes, for 10 points, what "effective" area over which a scattering process takes place?
ANSWER: effective **cross-section** [or scattering **cross-section** or entire **cross-section** or microscopic **cross-section** or target **cross-section**; prompt on square meters or barns or surface area; do not accept or prompt on "differential cross-section"]
<Physics, WA>

16. It's not English, but this language is the classic example of the final stage of Jespersen's ("YESS-pur-sen's") cycle, as it forms negations using a postposition derived from the word for "step." This language is the only major living member of its Indo-European subfamily that is [emphasize] *not* pro-drop, which Marianne Adams attributed to Germanic influence. Colloquial varieties of this national language often use the indefinite pronoun as the first-person plural pronoun. This is the most widely-spoken of the languages of (*) *oïl* ("oh-EEL"), which contrast with the southern languages of *oc* ("awk"), such as Occitan ("OCK-sit-in"). In the 17th century, guttural R spread quickly from the capital city at the center of this language and into the educated speech of several Germanic languages. For 10 points, name this language that uses the two-part negation *ne-pas* ("nuh pah") and whose use of loanwords such as "email" is discouraged by a namesake Académie in Paris.
ANSWER: **French** [or **Français**]

17. **The RGD adhesion sequence mediates the creation of foreign cell reservoirs in this structure's isthmus. Due to inflammation or infection, this structure can become occluded and fluid-filled in a condition called hydrosalpinx. This structure's abdominal ostium is surrounded by cilia-covered tissue called the fimbria. It's not the breasts or ovaries, but in a bilateral (*)** salpingectomy, these structures are surgically removed; that procedure is sometimes performed prophylactically because the individual has the BRCA1 mutation. In most ectopic ("ek-TOH-pic") pregnancies, a blastocyst implants itself in this structure instead of the uterus. It's not the vas deferens, but a common surgical birth control procedure is to ligate or "tie" these structures. For 10 points, name these paired structures that connect the ovaries to the uterus.
ANSWER: **fallopian tube**s [or **uterine tube**s or **ovarian tube**s or **oviduct**s; prompt on tubes; do not accept or prompt on "uterus" or "ovaries"]
<Biology, JL>

18. **A work "written under duress" by this author ends with "the journalist" shoving a naked Englishman out of his car, calling him a "twisted pigfucker." A fictionalized version of this author describes "the energy of a whole generation coming to a head in a long fine flash" and pictures himself "riding the crest of a high and beautiful wave." The media frenzy around a gang rape accusation against a motorcycle gang opens a profile by this author that became his book (*)** *Hell's Angels*. This author first worked with illustrator Ralph Steadman on a piece about the spectacle of horse racing titled "The Kentucky Derby is Decadent and Depraved." He fictionalized himself as Raoul Duke taking drugs traveling to Nevada in articles that, like his coverage of Richard Nixon's 1972 campaign, were serialized in *Rolling Stone*. For 10 points, name this "gonzo journalist" who wrote *Fear and Loathing in Las Vegas*.
ANSWER: Hunter S. **Thompson**
<Misc. Lit, JC>

19. **Georges Dumézil ("zhorzh doo-may-ZEEL") rejected the historicizing theory that this group represented Neolithic non-Indo-Europeans, and instead postulated that they represented farmers who were reconciled with priests and warriors. A seeress from this group with a great lust for gold was skewered and burned three different times, and after each time, she was reborn. Members of this group taught their counterparts sorcery after spitting into a vat to conclude a truce. A war incited by the hurling of a (*)** spear into the camp of this group is described shortly after the murder of Gullveig in the *Völuspá*, and concludes with this group's members helping create the Mead of Poetry. Members of this group include Njord and his children, Freyr and Freyja. For 10 points, name this group of deities who, in the *Poetic Edda*, war with the Aesir.
ANSWER: **Vanir** [or **Wanes**]
<Mythology, WA>

20. *Two answers required.* **A liberal party in one of these two countries took a name meaning "delegation party" after its Versailles delegation failed to obtain more autonomy from the other. These two countries negotiated a 1936 security treaty allowing one to maintain troops in the other in response to the Second Italo-Abyssinian War. A commander from one of these two countries bypassed a minefield via Operation Lightfoot in a battle fought at a namesake railway station in the other of them. Occupation by one of them was opposed by the other's (*)** Wafd party. An incident in which one of these countries nationalized a waterway in 1956 led to the humiliation and resignation of the other's Prime Minister. One of these countries won the Battle of El Alamein on the other's land. For 10 points, name these two countries, one of which worked with France to build the Suez Canal in the other.
ANSWER: Great **Britain** AND **Egypt** [accept the **UK** or **United Kingdom** or **British** Empire in place of "Britain"; prompt on England; accept **Mesr** or Republic of **Egypt** in place of "Egypt"]

<British/CW History, WA>

Bonuses

1. This country is the setting of Shyam Selvadurai's *Funny Boy*, which follows Arjie, a Sri Lankan immigrant to this country who struggles with the intersection of his gay identity and conservative Tamil family. For 10 points each:
[10] Name this country that is also the setting of a novel about the painter Elaine Risley, who reflects on her teenage years while reminiscing about the precious cat's-eye marble that she kept in her purse.
ANSWER: **Canada** (*Cat's Eye* is by Margaret Atwood.)
[10] A classic coming-of-age novel by Canadian author Lucy Maud Montgomery is titled for this orphan girl, who helps Marilla and Matthew Cuthbert run their farm in the town of Avonlea ("AV-un-lee") on Prince Edward Island.
ANSWER: **Anne** of Green Gables [or Anne **Shirley**]
[10] This Japanese-Canadian author's coming-of-age graphic novels include *Skim*, which follows a teenage girl who is described as "not slim," and *This One Summer*, whose protagonists meet in the town of Awago each summer. She wrote the *She-Hulk* series for Marvel.
ANSWER: Mariko **Tamaki**
<Misc. Lit, WA>

2. Polish revolutionary Karl Radek said, "this bright page in the history of the Russian Revolution will always be bound up with" this man. For 10 points each:
[10] Name this man who was called the "Organizer of Victory" for developing the Red Army. This man was exiled to Mexico by Joseph Stalin before being murdered with an icepick.
ANSWER: Leon **Trotsky**
[10] Radek claimed that this rebellion led to the question of whether there would be a "dictatorship of the Party or dictatorship of the class." The New Economic Policy was developed partly in response to this sailor revolt.
ANSWER: **Kronstadt** Uprising [or **Kronstadt** Rebellion]
[10] Radek pointed to August 4, 1914, as the collapse of this organization, which was officially dissolved in 1916. This organization fractured at the Zimmerwald Conference due to its failure to develop a coherent anti-war stance.
ANSWER: **Second International** [prompt on International or Socialist International]
<Continental post-600 History, EL>

3. Wade Watts searches for an Easter egg in one of these things in Ernest Cline's debut novel *Ready Player One*. For 10 points each:
[10] Identify these things that are programmed by the characters of Douglas Coupland's *JPod*. Peter Tieryas's ("tuh-RYE-us's") *The United States of Japan* was inspired by his time at Electronic Arts, a company whose main product is these things.
ANSWER: **video game**s [or **computer game**s or **virtual reality game**s; prompt on games]
[10] This author's book *Extra Lives: Why Video Games Matter* defends the subject matter and importance of video games against detractors. With Greg Sestero, this author explored the production of *The Room* in the book *The Disaster Artist*, which was adapted into a 2017 movie.
ANSWER: Tom **Bissell**
[10] A pioneering work of video game literature, Davey Wreden's *The Stanley Parable*, follows the office worker Number 427. *The Stanley Parable* is a mod of this first-person shooter by Valve that opens with G-Man telling the player to "wake up" and "smell the ashes."
ANSWER: *Half-Life 2* [do not accept or prompt on "*Half-Life*"]
<Other/Misc Academic, WA>

4. The IceCube facility in Antarctica reported finding no evidence of these particles in 2016, but the MiniBooNE ("mini-boon") experiment at FermiLab did report evidence of them in June 2018. For 10 points each:

[10] Name these hypothetical leptons that would only interact via gravity and not via any of the three fundamental forces described by the Standard Model.
ANSWER: **sterile neutrino**s [prompt on neutrinos; prompt on but DO NOT REVEAL dark matter]
[10] Sterile neutrinos are a hypothetical constituent of this type of matter, which is believed to constitute approximately 85 percent of the matter of the known universe.
ANSWER: **dark** matter [do not accept or prompt on "dark energy"]
[10] In many of the MiniBooNE experiments, beams of neutrinos are fired at tanks of oil, then this phenomenon and/or scintillation is observed using a photomultiplier tube. This phenomenon occurs when a particle exceeds the local value of *c* within a medium.
ANSWER: **Cherenkov** radiation [or **Cerenkov** radiation; or **Cherenkov** light]
<Physics, WA>

5. Mrs. Drovers can remember everything about a 25-year-old affair except for the man's face in an Elizabeth Bowen story titled for a "lover" of these characters. For 10 points each:
[10] Identify these characters who name a Scottish ballad alternatively titled for James Harris. Another "lover" of these characters titles a Shirley Jackson story in which a woman searches for her disappeared fiancée Jamie.
ANSWER: **demon**s [accept "The **Demon Lover**" or "The **Daemon Lover**"]
[10] This literary critic asked "What then has Bowen given us except nuance, bittersweet and intelligent?" before answering "Much, much more." A 1990 book by this critic argues against the "School of Resentment," which supposedly places political motive over literary value.
ANSWER: **H**arold **Bloom** [prompt on Bloom] (The book is *The Western Canon*.)
[10] Bowen was born in this city and described her childhood here in the memoir *Seven Winters*. This city is the setting of a James Joyce collection of stories that includes "Araby" and "The Dead."
ANSWER: **Dublin** [accept *Dubliners*]
<Short Fiction, EL>

6. This term was coined in the early 19th century by Friedrich Niethammer to refer to an educational curriculum that focused on the cultivation of man's mind, as opposed to the sciences. For 10 points each:
[10] Give this common term for a rationalist, anthropocentric worldview that opposes dogma and superstition. This term is often applied to Renaissance-era writers such as Giovanni Boccaccio and Pico della Mirandola.
ANSWER: **humanism** [or **Humanismus**; accept word forms as **humanist** philosophy]
[10] This document issued in 1864 by Pope Pius IX condemned a number of popular humanist ideas in the 19th century, as well as democracy and doctrines of individual liberty.
ANSWER: *Syllabus of Errors* [or *Syllabus Errorum*]
[10] In the late 19th century, Felix Adler founded this humanist religious movement that emphasized "deed, not creed" and the separation of morality from theology. Members of this movement founded a namesake private school in New York that is also called the Fieldston School.
ANSWER: **Ethical** Culture [or **Ethical** Movement or **Ethical** Humanism; accept any answer with the word **ethical**; accept **Ethical** Culture Fieldston School]
<Religion, WA>

7. Answer the following about the illustrious history of the coconut tree, for 10 points each.
[10] Houses built with roofs made from coconut leaves called *makuti* have historically been common places of residence on the western coasts of this large body of water, which touches the Swahili Coast.
ANSWER: **Indian Ocean** [or **Arabian Sea**]
[10] Since the Middle Ages, this country's Dhofar ("THOUGH-far") region has been both the Middle East's prime coconut tree growing location and its main source of frankincense, as confirmed by Ibn Battuta's *Riḥla*. Its ruling house of al-Said once controlled an Indian Ocean empire that included Zanzibar.

ANSWER: **Oman** [or Sultanate of **Oman**]
[10] Florida's Palm Beach County got its name when the *Providencia*, a ship full of coconuts sailing from this modern-day country, wrecked on its shores. This country's first post-independence president was Eric Williams.
ANSWER: **Trinidad** and Tobago
<World History, WA>

8. In *The Origin of Consciousness in the Breakdown of the Bicameral Mind*, Julian Jaynes considers the use of this Greek word in the Iliad to mean "breath" or "blood" as evidence for bicameralism. For 10 points each:
[10] Give this Greek word. A figure named after this word is told by a tower to bring cakes of honey and barley on a journey to Taenarus.
ANSWER: *psyche* [or **Psyche**; prompt on soul]
[10] After being persuaded by her envious sisters, Psyche tries to use an oil lamp see this figure, her husband, but ends up spilling oil on him. This Roman mythological character is the son of Venus.
ANSWER: **Cupid** [do not accept or prompt on "Eros"]
[10] The tale of Cupid and Psyche is told in this Roman novel, which ends with the protagonist Lucius being initiated into the cult of Isis.
ANSWER: The ***Golden Ass*** (by Apuleius)
<Mythology, AK>

9. In a book based on his experience with the Nixon campaign, Kevin Phillips postulated that this concept existed for the Republican Party by citing such evidence as demographic shifts across the Sun Belt. For 10 points each:
[10] Name this concept that is also mentioned in the title of a similar book based on demographic arguments published by John Judis and Ruy Teixeira ("ROO-ee tuh-SHARE-uh") in 2002.
ANSWER: **emerging majority** [accept The ***Emerging Democratic Majority*** or The ***Emerging Republican Majority***; prompt on partial answers]
[10] Phillips worked on the Nixon campaign in this year, in which he correctly predicted a close race against Hubert Humphrey; Philips also correctly predicted the giant Republican landslide four years later.
ANSWER: 19**68**
[10] In identifying "breaching" the South as the key to Republican electoral success, Philips pointed to the GOP winning Tennessee in 1920 thanks in part to this slogan used by Warren Harding's campaign. This three-word campaign slogan promised to restore the US to its pre-World War I state.
ANSWER: **return to normalcy** [prompt on partial answer]
<US History, WA>

10. Plotting a graph of pH versus volume throughout this process yields an inflection point that can be identified as the equivalence point of the solution being studied. For 10 points each:
[10] Identify this technique for measuring the concentration of an unknown solution.
ANSWER: acid-base **titration** [or **titrimetry**; prompt on volumetric analysis]
[10] This adjective informally describes analytical chemistry performed on materials in liquid phase. Titration and gravimetric analysis are often used in chemistry described by this adjective, which is also called "bench chemistry."
ANSWER: **wet** [accept **wet** chemistry]
[10] Methods for this process called "wet" use wet chemistry techniques, such as applying hydrofluoric acid, to alter components of the target material that are not covered by a photoresist mask. In contrast, "dry" methods for this process bombard the target material with ions.
ANSWER: **etch**ing [accept wet **etch**ing or dry **etch**ing]
<Chemistry, WA>

11. In C. W. Peale's painting *The Artist in His Museum*, Peale himself performs this action in front of his own museum of natural history. For 10 points each:
[10] Describe this action. The man at the front of Grant Wood's *Parson Weems' Fable* performs this action to let the viewer see the central scene.
ANSWER: lifting a **curtain** [or pulling back a **curtain**; or moving a **curtain**; prompt on unveiling; do not accept or prompt on answers indicating "revealing a painting"]
[10] This other painting on the theme of natural history by Peale shows the artist's friends and family witnessing a groundbreaking discovery on the Peale farm in 1801. Men in this painting perform its central action with the aid of a huge wheel and buckets of water.
ANSWER: The ***Exhumation of the Mastodon***
[10] Among Peale's other works include a portrait of this US President at the Battle of Princeton. Gilbert Stuart created the "Athenaeum" portrait of this President.
ANSWER: George **Washington**
<Painting/Sculpture, WA>

12. Answer the following about the certainty of our mathematical knowledge, for 10 points each.
[10] Early 20th-century mathematicians fervently attempted to root all of mathematics in these fundamental statements, such as the parallel postulate and the statement that zero is a number.
ANSWER: **axiom**s
[10] With Hilary Putnam, this American philosopher names the thesis that abstract mathematical objects must exist because they are indispensable to scientific theories.
ANSWER: Willard Van Orman **Quine**
[10] A century prior, Immanuel Kant argued that statements such as "7 plus 5 equals 12" had these two properties because the meaning of "12," though not contained in either "7" or "5," could be deduced without worldly experience. Give both properties.
ANSWER: **synthetic** AND ***a priori***
<Thought, KL>

13. These ecosystems often form from swamps in wooded areas called carrs when the soil level rises above the water level, allowing sedge to grow. For 10 points each:
[10] Name these ecosystems that, unlike other types of mires, typically have pH values of at least 6.0, as they are usually fed by groundwater from an elevated water table.
ANSWER: **fen**s [prompt on wetlands; do not accept or prompt on "bogs" or "marshes"]
[10] Fens often contain this accumulation of humus ("HYOO-mus") and other deceased matter, which is an important source of fossil fuel in many regions. Ireland is home to many of this material's namesake "bogs."
ANSWER: **peat** [accept **peat** bogs]
[10] In 2017, the UK began a conservation effort to preserve its fens by re-introducing these animals, which are the classic example of ecosystem engineers in ecology.
ANSWER: **beaver**s [or ***Castor*** canadensis or ***Castor*** fiber]
<Other Science: Earth, WA>

14. A paper by Robert Coe titled "It's the [this value], stupid" notes that this value for PhD students versus first year undergrads is about 0.8 standard deviations of IQ. For 10 points each:
[10] Identify this statistical value that, for IQ and other statistics, is computed for a given treatment using methods such as "Cohen's *d*," "Hedges' *g*," or standardized difference of means.
ANSWER: **effect size** [or **average treatment effect** or **ATE**; accept "It's the **effect size**, stupid"; prompt on effect or treatment effect]

[10] A 2014 meta-analysis concluded that the median effect size of this effect was about 2.31 IQ points per decade. This effect, whose name was coined in *The Bell Curve*, refers to the general increase in intelligence in human populations over time.

ANSWER: **Flynn** effect

[10] Because of the Flynn effect, IQ tests have to be re-calibrated every so often so that they continue to have a mean score equal to this number.

ANSWER: **100**

<Social Science: Psychology, WA>

15. Much of this photographer's early work was actually done by his companion, Gerda Taro, who shared his pseudonym. For 10 points each:

[10] Name this Hungarian war photographer who claimed to have caught an American soldier being killed by sniper fire in his "picture of the last man to die," titled *The Falling Soldier*.

ANSWER: Robert **Capa** [or Endre **Friedmann**]

[10] Capa was awarded the Medal of Freedom for his photographs documenting this war, which included his Magnificent Eleven photos of D-Day.

ANSWER: **World War II** [or **WW2**]

[10] Capa co-founded this photography cooperative with others like Henri Cartier-Bresson. Nearly 200,000 works originally made by members of this group were donated to the Harry Ransom Center at the University of Texas at Austin.

ANSWER: **Magnum** Photos

<Other Art: Photography, PC>

16. Foreign students educated in this city-state were known as *trophimoi*. For 10 points each:

[10] Name this militant Lacedaemonian ("LASS-uh-duh-MOH-nee-un") city-state whose children were educated in the *agoge* ("ah-GOH-gay").

ANSWER: **Sparta**

[10] As part of the *agoge*, Spartan boys were encouraged to perform this specific action, though they were severely punished if caught; this was done to prepare future soldiers for when this action might be necessary.

ANSWER: **steal**ing **food** [accept clear equivalents; prompt on stealing or theft by asking "what is being stolen?" and accept more specific answers like **steal**ing **bread**]

[10] This politician became a *trophimos* but fell out of favor after supposedly seducing the Spartan queen Timonassa, forcing him to flee to Persia. Later, he fled to Sparta again after being charged with sacrilege following the failure of one of his initiatives, which was commanded by Nicias.

ANSWER: **Alcibiades**

<Ancient History, NB>

17. The American Academy of Arts and Letters awards eight prizes named for this composer each year: two worth 15,000 dollars and six worth 7,500 dollars. For 10 points each:

[10] Name this composer who quoted the song "Columbia, Gem of the Ocean" in his Symphony No. 2, as well as in a piece that contains a musical depiction of Augustus St. Gaudens' monument to Robert Gould Shaw.

ANSWER: Charles **Ives** (The latter piece is *Three Places in New England*.)

[10] One of the two inaugural Charles Ives Prizes went to John Kirkpatrick, who gave the 1939 premiere of Ives's second piece in this genre, titled "Concord." One of Beethoven's 32 pieces in this genre is named "Appassionata."

ANSWER: **piano sonata** [prompt on sonata]

[10] The other inaugural Ives Prize went to Joseph Schwantner, who won a 1979 Pulitzer for a piece in this genre titled *Aftertones of Infinity*. In a piece in this genre by an American composer, the A section presents a so-called "walking theme," and an F minor violin cadenza marks the transition to the wistful, bluesy B section.

ANSWER: **symphonic poem** [or **tone poem**] (The second piece is *An American in Paris*.)
<Classical Music/Opera, WA>

18. A naturalist and author from this family described his upbringing on the island of Corfu in the so-called "Corfu trilogy," which includes *My Life and Other Animals*. For 10 points each:
[10] Name this literary family. An author from this family fictionalized Wyndham ("WIND-um") Lewis as the writer Pursewarden in a novel whose title homosexual mystic creates a manuscript called "Interlinear."
ANSWER: **Durrell** family (The latter novel is *Balthazar* from Lawrence Durrell's *Alexandria Quartet*.)
[10] The first novel in Lawrence Durrell's *Alexandria Quartet* is titled for a Jewish woman with this name who marries the Copt Nessim. In a 1791 novel written in French, the title woman of this name relates her sexual exploitation by monks after she goes to confess in a monastery.
ANSWER: **Justine**
[10] The 1791 *Justine* that inspired Durrell's *Justine* was written by this French author, who wrote about even more graphic orgies in *120 Days of Sodom*.
ANSWER: Marquis de **Sade** ("mar-KEE duh SOD") [or Donatien Alphonse **François**, Marquis de Sade]
<Long Fiction, WA>

19. As a high school sophomore, Jack Andraka developed a test for detecting this cancer using mesothelin as a biomarker, though the validity of his method has been questioned by other researchers. For 10 points each:
[10] Name this type of cancer that can also be detected by finding the tumor marker CA 19-9. Its most common variety is a ductal adenocarcinoma that has a five-year survival rate of less than 10 percent.
ANSWER: **pancreatic** cancer [accept answers indicating cancer of the **pancreas**]
[10] One of the slower spreading varieties of pancreatic cancer is defined by a type of tumor called an NET ("N-E-T"), which can occur in either the nervous system or this other system that controls hormone production.
ANSWER: **endocrine** system (NET stands for "neuroendocrine tumor.")
[10] Cancer at the head of the pancreas can cause a "painless" form of this symptom, which traditionally first shows up under the tongue. A severe form of this symptom occurs in Crigler–Najjar syndrome.
ANSWER: **jaundice** [or **hyperbilirubinemia**]
<Biology, WA>

20. A poetic genre in which the last word of each line in a poem is taken, in order, from a line or lines in another poem, was pioneered by Terrance Hayes in "The Golden Shovel," a poem named for a type of this location. For 10 points each:
[10] Identify this sort of establishment. The inhabitants of another one of them, also called the Golden Shovel, "Jazz June" and "Die Soon" in a different poem.
ANSWER: **pool hall** [or **billiards hall**; or **snooker hall**]
[10] "Seven at the Golden Shovel" is the second line of "We Real Cool," a poem by this author.
ANSWER: Gwendolyn **Brooks**
[10] A Brooks poem whose first title word is one of these places begins "we are things of dry hours" and asks if dreams can "flutter, or sing an aria down these rooms." Richard Wright, who wrote a story about a "one room" version of these places, claimed that only a person who lived in one of these could render their "lonely frustration."
ANSWER: **kitchenette** [accept "The **Kitchenette** Building" or "One Room **Kitchenette**"; do not accept or prompt on "kitchen"]
<Non-Epic Poetry, EL>