**2019 National All-Star Academic Tournament**

**Round 5 – Tossups**

1. In 1852, James Crutchett signed a contract granting him the exclusive right to sell walking sticks made from trees at this place. Fire-Eater William Lowndes Yancey gave a speech for an Ann Pamela Cunningham-led organization as part of a campaign that raised $200,000 for preserving this location. This property was expanded by purchasing nearby lands owned by Sampson Darrell and William Clifton. In 1790, the key to the Bastille was shipped to this location by the Marquis de Lafayette, where it remains today. This estate emerged from the Little Hunting Creek Plantation and was renamed for an admiral who fought in the War of Jenkins' Ear. That admiral was the commanding officer of the patriarch's father, Augustine. George Mason sold land to the owner of this estate, which was much on its owner's mind during campaigns in New England. For 10 points, name this Virginia home of George Washington.  
ANSWER: **Mount Vernon** [prompt on things like Virginia or Fairfax County]  
*<History American (pre-1865) - Bentley>*

2. One person became interested in the workings of this thing after translating an article on it by Luigi Fenabrea. The creator of this thing worked with the engineer Joseph Clement, and George Scheutz completed the construction of this thing after its creator decided to pursue a career in politics instead of continuing to work on it. A series of treatises on this thing were published under the pseudonym A.A.L. This thing was originally created to assist with the production of the Royal Nautical Almanac, and funding for this thing was suspended by the British government in 1832 after progress on it stalled. This device was said to operate “as a Jacquard loom weaves patterns” by an expert in operating it. This device was famously analyzed by a woman who inherited a noble title from her father, Lord Byron. Ada Lovelace used punch cards to write programs for this device. For 10 points, name this predecessor to the computer invented by Charles Babbage.  
ANSWER: **analytical engine** [accept **difference engine** or **Charles Babbage**'s **computer** or similar wordings until mention of Babbage; prompt on computer]  
*<Science History of Science - Myers>*

3. One thinker from this school described cognition with a term meaning 'grasp,' which he placed between opinion and knowledge. Members of this school argued that only bodies exist, and that moral qualities and the soul are corporeal. According to one account, a member of this school joked about a donkey eating his figs before dying of laughter. Many members of this school believed in the world was cyclical, and always ended in the “ekpyrosis,” or “conflagration.” Chrysippus was a major early member of this school, and another member had his teachings collected by Arrian in the *Enchiridion of Epictetus*. That work introduced this school's concept of prohairesis. For 10 points, name this ancient school of thought which argued for control of emotional responses and was espoused in Marcus Aurelius's *Meditations*.  
ANSWER: **stoicism** [accept word forms]  
*<RMP Philosophy/Thought - Lucas>*

4. Fishermen in one area of this body of water often suffer from a namesake “itch” caused by the sea chervil. Where one estuary meets this body of water, a raised sandbar called Spurn Point forms the lower extent of the rapidly-eroding Holderness Coast. Prior to the opening of the Akashi Kaikyo bridge, an estuary that meets this body of water was crossed by the longest suspension bridge in the world, built in 1981. A large bay of this body of water called the Wash forms a shared estuary for rivers like the Nene **(neen)** and Great Ouse **(ooze)**. Fishermen from ports like Grimsby on the Humber Estuary often used a productive fishing ground in this body of water called Dogger Bank. Cities such as Sunderland and Newcastle lie near the coast of this body of water. Britain's eastern coastline faces, for ten points, which sea, which separates Britain from Scandinavia?  
ANSWER: **North** Sea [accept **Dogger** Bank or **Humber** Estuary/River before mention]  
*<Geography Europe - Krol>*

5. This is the only character known to have appeared in Ameipsias' play *Konnos*, which beat a surviving play including this character at the Dionysia. While this character stares at the moon, a lizard disturbs this character by pooping in their mouth. At the end of a play, an old man stands on this character's burning house, mocking this character's claim to be 'traversing the air and contemplating the Sun'. Under this character's influence, a young man beats his father for celebrating too loudly. A man learns from this character after his son racks up debt buying horses, after this character enters the stage in a dangling basket. Public opinion against this man is suggested by a play in which he teaches Strepsiades at the Thinkery, which was claimed to have contributed to his execution in the *Apology*. Parodied in *The Clouds*, for 10 points, name this philosopher who taught Plato.  
ANSWER: **Socrates**  
*<Literature European - Krol>*

6. The thermodynamic potential for these things is equal to energy minus chemical potential times the number of particles and for larger versions of these things the product of Temperature and Entropy is also subtracted. For a 3-D system, a point on the 6N-dimensional phase space represents one of these things for distinguishable particles. These things are better represented as a volume of phase space to resolve Gibbs paradox, reducing the total number of them. The energy of these things and temperature are the parameters for the partition function. In inifinite time, an ergodic system has an equal chance of entering all of these things. The natural log of the number of these entities multiplied by Boltzmann's constant equals entropy. For 10 points, name these smallest configurations of a system which are generalized to macroscopic properties like temperature and volume.  
ANSWER: (the number of) **microstate**s [prompt on answers mentioning states of the system; do not accept or prompt on “macrostates”]  
*<Science Physics - Etzkorn>*

7. A *vivace* theme evoking this country was first used in the composer's *Six Variations on an Original Theme* before it was reused for a play by August von Kotzebue. Gaetano Donizetti's older brother Giuseppe wrote two marches for this country's rulers, then became an influential royal music instructor in its capital. A 2/4 section interrupting the finale of Mozart's 5th violin concerto gave it a nickname referencing this country. A “stop” named for this country sometimes adorned early 19th century pianos. This country's *mahtars* are evoked in a 2/4 march from *The Ruins of Athens*. The aforementioned stop was used to play the last movement of an A major piano sonata, numbered the composer's eleventh, in this country's namesake style. The percussion of Haydn's “Military” symphony mimics this country's music. For 10 points, name this country that names a rondo by Mozart that imitates its Janissary bands.  
ANSWER: Republic of **Turkey** [or the **Ottoman** Empire]  
*<Arts Music - Smith>*

8. A poem that originated in this decade uses an extended metaphor comparing an art form to a girl who “had so much soul” but later “got into showbiz” and “let all these groupies do her.” A poem about a flower that “learned to walk with out having feet” was written in this decade; that poem is titled “The Rose that Grew from Concrete.” A poet working during this decade employed internal rhyme in his lines “Dead in the middle of Little Italy little did we know / That we riddled some middlemen who didn't do diddly.” One poet who produced all of his work in this decade used the number 2 and letter u as stand-ins for those words and coined an acronym attacking “The Hate U Give Little Infants.” That poet was shot in a drive-by possibly due to tensions from the division of hip-hop into “West Coast” and “East Coast” schools. For 10 points, name this decade in which Tupac Shakur was killed.  
ANSWER: 19**90s** [or **nineties**]  
*<Literature American - French>*

9. The Stevenson Scheme attempted to stabilize prices of this crop in Britain. One beneficiary of that scheme was a man who started a business producing this crop, Lim Nee Soon, who later became known as the “Pineapple King”. One fervent promoter of this crop was nicknamed “Mad Ridley”. Prices of this crop plummeted after Henry Wickham introduced it to British colonies. After noticing that Elder Demster Shipping imported massive amounts of this crop but exported only weapons, Edmund Dene Morel wrote a book titled *Red* [this good]. Demand for this crop increased dramatically after the most famous invention of John Dunlop. Exploitative practices in gathering this crop were targeted by the Congo Reform Association. For 10 points, name this crop for which prices soared after the invention of the inflatable tire.  
ANSWER: **rubber** [accept **natural rubber** or **India rubber**; accept ***Hevea brasiliensis***]  
*<History European 1400-1914 - Myers>*

10. This artist depicted festival-goers making merry while his initials are visible on a flagon in front of a woman with a raised finger in his painting *Shrovetide Revelers*. This artist painted a man playing bagpipes and surrounded by children in *The Rommelpot Player*. This student of Karel van Mander painted a rough portrait of Rene Descartes shortly before Descartes moved to Sweden. All works by Judith Leyster were once mistakenly attributed to this artist. In another work by this artist, a woman sits with a tankard and an owl on her shoulder. That painting is *Malle Babbe*, which is also known as *The Witch of Haarlem*. This artist's most famous work depicts a red-faced man in a large hat with his hand on his hip, drunkenly smiling at the viewer. For 10 points, name this Dutch Golden Age painter of *The Laughing Cavalier*.  
ANSWER: Frans **Hals**  
*<Arts Painting - Santanam>*

11. Four aspects of this concept including mimicry and ilinx are elucidated in a study by Roger Caillois. It's not ritual, but this concept is separated from so-called “real life” by a “magic circle,” according to a classic study of it written by Johan Huizinga. This noun appears in the title of an essay that describes a “superorganism” breaking up amidst cries of “pulisi! pulisi!” and cites the earlier work of Bateson and Mead on a people who practice *sabungan*. That essay from *The Interpretation of Cultures* is a paradigmatic example of “thick description” that centers on a form of it distinguished by insanely high stakes. For 10 points, name this concept studied in ludology, a “deep” variety of which titles a Clifford Geertz essay about Balinese cockfighting.  
ANSWER: **play** [accept deep **play**]  
*<Social Science Anthropology - Smith>*

12. Though this man lived in Ramah, he routinely traveled to Bethel, Gilgal, and Mizpah as part of his ministry. The nearly blind mentor of this man fell backward from his chair and died from a broken neck after hearing news of the death of his two evil sons. Before this man was born, a priest mistook his mother's despair for drunkenness. Peninnah constantly harassed this man's mother for her barrenness. A king lost this man's support by hastily offering sacrifice on his own at Gilgal. God told this prophet that “man looks on the outward appearance, but the Lord looks on the heart” while this man inspected the sons of Jesse. The witch of Endor conjured up this man's ghost. When he was a child, this son of Elkanah mistook the voice of God for that of his mentor Eli. For 10 points, name this prophet and judge who anointed Saul and David and names two books in the Old Testament.  
ANSWER: **Samuel** [or **Shmuel**; accept 1 **Samuel** or 2 **Samuel**]  
*<RMP Christian/Bible Religion - Suh>*

13. One character in this play compares a woman's buttocks to Ireland because he “found it out by the bogs” amid a dialogue comparing various parts of that woman's body to European countries. A servant in this play gets lost after his master sends him to buy some rope to beat his wife, Adriana, with. A merchant in this play is given 24 hours to pay a fine for violating an embargo, thus leading this play to obey the Unity of Time. That merchant, Egeon, is visiting Ephesus from Syracuse during this play's action. This play heavily borrows from Plautus's *Maenachmi* for its plot, which revolves around two pairs of twin brothers named Dromio and Antipholus having their identities confused. For 10 points, name this Shakespearean comedy whose title mishaps include Egeon almost being executed.  
ANSWER: *The* ***Comedy of Errors***  
*<Literature Shakespeare - Myers>*

14. A live album recorded in this city featuring Kenny Garret, Kei Akagi, and Foley includes a cover of Michael Jackson's “Human Nature.” Mabel Mercer was featured at a club in this city named for its founder, Ada “Bricktop” Smith. Louis Vola and Roger Chaput were part of a five-piece all-string band from this city. A performer who sang a song titled for her “two loves” and wore an artificial banana skirt was based in this city. Thad Jones quoted “Pop Goes the Weasel” on a song named for this city also played by a big band in the film *Blazing Saddles*. Josephine Baker lived in a “Harlem” on this city's major river. This city was home to the “grandfather of jazz violin” and a guitarist whose “Minor Swing” and “Nuages” exemplify “gypsy jazz.” For 10 points, name this city home to Django Reinhardt, an “April in” which titles a Count Basie signature.  
ANSWER: **Paris**, France [The live album is *Miles in Paris*.]  
*<Arts Jazz - Smith>*

15. A son of Poseidon named Dercynus tried to steal these creatures while in Liguria. These creatures were temporarily entrusted to Hephaestus while their owner searched for a runaway one of these creatures that was taken in by King Eryx. Hera sent a gadfly that scattered these creatures, after which they were sacrificed to her. According to Roman sources, these creatures were stolen a second time by man eating monster Cacus. According to Diodorus Siculus, a hero built his namesake pillars near Gibraltar while on his way to retrieve these “crimson-colored” animals. The herdsman Eurytion and the dog Orthrus guarded these creatures for their original owner before a hero crossed the Libyan desert to capture them. For 10 points, identify these animals owned by a son of Chrysaor that were captured by Heracles for his 10th labor.  
ANSWER: **cattle of Geryon** [accept **Geryones** for **Geryon**; accept synonyms for cattle like **oxen**; prompt on just cattle or oxen as they need the name of the original owner]  
*<RMP Greek/Roman Myth - Hijazi>*

16. This dynasty used palace guards from a branch of the Alan people who had converted to Christianity under its rule. This dynasty commissioned the Tibetan monk Drogön Chögyal Phagpa to create a namesake script for use on official documents, although it was rarely used. Qu lyrics were incorporated into the many popular zaju plays written during this dynasty, such as Li Qianfu's *The Chalk Circle*. According to the Huí, the common surname Dīng arose from governors during this dynasty whose names had the Arabic honorific al-Din, such as the general who led this dynasty's invasions of Burma and Vietnam. In Western sources, a bridge southwest of Beijing is usually named for a traveller who visited this dynasty, since he praised that bridge in his Book of the Marvels of the World. For 10 points, name this Chinese dynasty that hosted Marco Polo and was founded by the Mongols.  
ANSWER: **Yuán** dynasty  
*<History World - French>*

17. This person is said to have “scorned the ordering planet,” according to “Lines on” this person by Michael Hamburger. During an action involving this person, another poem states that “the edge of the sea” is “concerned with itself” as “the whole pageantry of the year was awake tingling.” That action undertaken by this person is deemed “not an important failure” in another poem. In that poem, the sun shines “as it had to on [this person's] white legs” while “dogs go on with their doggy life.” William Carlos Williams' poem about this figure is based on the same depiction that is interpreted in the second stanza of a poem which opens “About suffering they were never wrong, / The old Masters.” For 10 points, Auden's “Musée des Beaux Arts” describes the drowning of what mythological figure in a landscape painting by Brueghel?  
ANSWER: **Icarus**  
*<Literature British Non-Shakespeare - Smith>*

18. Minimizing the integral of the square of one form of this quantity is equivalent to minimizing the Willmore energy. That form of this quantity is zero for any solution to Plateau's problem. The determinant of the shape operator gives one form of this quantity, which can be recovered from just the first fundamental form and its derivatives by the Theorema Egregium. On a boundaryless manifold, integrating one form of this quantity gives two pi times the Euler characteristic by the Gauss-Bonnet theorem. This quantity and torsion are the two scalars in the Frenet-Serret formulas. This quantity equals the norm of the rate of change of the tangent vector with respect to arc length and is identically equal to one-over-*R* for a circle of radius *R*. For 10 points, give this quantity typically denoted kappa, which measures how much a surface deviates from flatness.  
ANSWER: **curvature** [accept specific types of curvature such as mean **curvature** or Gaussian **curvature**; prompt on kappa before mention]  
*<Science Math - Morrison>*

19. This industry's early sales in the UK were hampered by impractical regulations in the 1865 Red Flag Law. Four years after a 1975 nationalization of a British company in this industry, workers agreed to severe job cuts proposed by Michael Edwardes. Employees in this industry were said to work at “British Lazyland” owing to the frequent work stoppages orchestrated by union leader Derek “Red Robbo” Robinson. British firms in this industry lost market share in the 1970s thanks to unpopular products such as the Austin Allegro compared to new Japanese competition. Margaret Thatcher ended British funding for a business of this type in Northern Ireland that had separate entrances for Catholics and Protestant workers founded by American playboy John DeLorean. For 10 points, name this industry whose British examples once included Jaguar and Land Rover.  
ANSWER: **auto**mobile industry [or motor**car** industry; or **car** manufacturing; prompt on manufacturing]  
*<History European 1914-present - Bentley>*

20. Summers et. al suggested a potential therapy for this disease involving *trichuris suis*, a type of whipworm. Best et. al developed an activity index for this disease with values of 450 or higher indicating severe symptoms. This disease and Parkinson's have been linked to variant alleles of the LRRK2 gene. To track the past week's symptoms, the aforementioned activity index includes 18 parameters, including erythema nodosum and aphthous stomatitis. This is the most common disease to be characterized by discontinuous “skip” lesions, creating a cobblestone appearance of affected tissue. Like ulcerative colitis, this disease commonly results in inflammation of the ileum. For 10 points, name this likely-autoimmune linked disorder, a type of inflammatory bowel disease named for an American gastroenterologist.  
ANSWER: **Crohn**'s disease [prompt on irritable bowel syndrome; prompt on IBS]  
*<Science Biology - Etzkorn>*

21. Alfred, Lord Tennyson quipped that he understood only the first and last lines of one of this man's poems--and that both were lies. The speaker of one of this author's poems encourages his lover to enter “the melancholy little house/ we built to be so gay with” before concluding “God is just.” A court record from a 1698 Roman murder trial forms the basis of an epic poem by this author. An adulterous silk mill owner argues with his mistress about a murder while a girl sings “God's in his heaven, all's right with the world” in another poem by this author. This author wrote monologues named for the Renaissance painters Andrea del Sarto and Fra Lippo Lippi. One character created by this author spurns the gift of a “nine hundred years old name” and has her portrait painted by Fra Pandolf. For 10 points, name this Victorian poet who wrote of a heart “too soon made glad” in “My Last Duchess.”  
ANSWER: Robert **Browning**  
*<Literature British Non-Shakespeare - Husar>*

**2019 National All-Star Academic Tournament**

**Round 5 – Bonuses**

1. Surrealist poetry was introduced to this country via collections like *Altazor* by Vicente Huidobro, who founded a literary movement called “creationism”. For 10 points each:  
[10] Name this country. An influential poetry collection from this country includes poems like “In My Sky at Twilight”, and opens with a poem celebrating the “white hills, white thighs” of the title “Body of a Woman”.  
ANSWER: Republic of **Chile**  
[10] Huidobro ended up in a long-running conflict with this other Chilean author after he claimed that the poem 'In My Sky at Twilight', from this poet's collection *Twenty Love Poems and a Song of Despair*, was plagiarized.  
ANSWER: Pablo **Neruda** [or Ricardo Eliécer Neftalí **Reyes** Basoalto]  
[10] Huidobro claimed that Neruda poem was a very close plagiarism of a section from this *other* author's early prose work *The Gardener*. After stealing money from her husband, the female protagonist realizes 'I have robbed my house; I have robbed my country' in this author's novel *The Home and the World*.  
ANSWER: Rabindranath **Tagore**  
*<Literature World - Krol>*

2. This location was believed to be within the land of Boinca, which later became conflated with Bimini. For 10 points each:  
[10] Name this location. Juan Ponce de León ventured into Florida in 1513 in search of this spring and its healing waters.  
ANSWER: **Fountain** of **Youth**  
[10] This man was said to have bathed in the Fountain six times in a forged letter allegedly sent when he was 562. This Nestorian king ruled a realm filled with magical creatures in either India or Ethiopia.  
ANSWER: **Prester John** [or **Presbyter John**; or **Presbyter Johannes**; prompt on John]  
[10] This Greek term refers to mythical heal-alls such as the elixir of life and the Fountain of Youth's waters. The Greek goddess of this name is mentioned alongside her sister Hygeia in the Hippocratic Oath.  
ANSWER: **panacea**  
*<RMP Non-Greek/Roman Myth - Smith>*

3. Birks' Law determines the production in these devices as a function of energy loss per path length. For 10 points each:  
[10] Name these devices often used in radiation detection. When ionizing radiation interacts with these devices, they emit photons which can then be converted to an electrical signal using a photomultiplier tube.  
ANSWER: **scintillator**s  
[10] The principal scintillation light is emitted in transitions between the S10 energy state and one of the vibrational states of the ground electronic state. That emission is of this type, which occurs on a shorter time scale than phosphorescence.  
ANSWER: **fluorescence**  
[10] A popular inorganic scintillator is crystals of this compound which are doped with thallium. Scintillators composed of this compound have a high light yield and a linear energy response, but must be hermetically sealed as this compound is hygroscopic.  
ANSWER: **sodium iodide**  
*<Science Physics - Rombro>*

4. Years after the fact, it was discovered that a holder of this position gave judges and opposition politicians advance notice of his intent to remove a prime minister, despite official denials that that had happened. For 10 points each:  
[10] Name this position held by Sir John Kerr, who triggered a constitutional crisis by removing Gough **(guff)** Whitlam from office in favor of Malcolm Fraser after Whitlam won a snap election.  
ANSWER: **Governor-General** of **Australia**  
[10] This founder of the British Guiana Labor Party was removed twice by British governors for his suspected Marxist sympathies, once after refusing to resign following a British military intervention. He was replaced the second time by his former ally, Forbes Burnham.  
ANSWER: Cheddi **Jagan**  
[10] An “affair” with a rhyming name took place when Governor-General John Byng refused to call a general election for this Liberal Canadian Prime Minister in 1926. This Prime Minister led Canada for a total of 22 years, including during World War II.  
ANSWER: William Lyon Mackenzie **King** [accept **Mackenzie King**, do not accept John **Mackenzie**]  
*<History World - Myers>*

5. Followers of this philosopher have split into East Coast and West Coast schools, represented by intellectuals such as Allan Bloom and Harry Jaffa, respectively. For 10 points each:  
[10] Name this University of Chicago philosopher who argued that many ancient thinkers hid their most transgressive ideas through esoteric writing in *Persecution and the Art of Writing*. Many influential neoconservatives are among his followers.  
ANSWER: Leo **Strauss**  
[10] East Coast Straussians often read into Strauss's work a latent critique of revealed religion, as in his studies of this Jewish philosopher, who entreated people not to explain the secret teaching of his *Guide for the Perplexed*.  
ANSWER: Moses **Maimonides** [or Moshe ben **Maimon**; or the **Rambam**]  
[10] In the book, *Natural Right and History*, Strauss argued that the modern era started with this thinker, who argued that ancient Roman virtue was key to the success of the empire in his *Discourse on Livy*.  
ANSWER: Niccolò di Bernardo dei **Machiavelli**  
*<RMP Philosophy/Thought - Kothari>*

6. In a book about this form of ethics, Nel Noddings claimed that its central action is an “engrossment” and that in performing it certain people “enter the practical domain of moral action…through a different door.” For 10 points each:  
[10] Name this form of ethics also advocated for by the author of *In a Different Voice*, Carol Gilligan, which focuses on the moral duty to motivate and meet the needs of others.  
ANSWER: the ethics of **care** [or **care** ethics]  
[10] In *In a Different Voice,* Gilligan notes that these people were more likely to emphasize care while their counterparts would emphasize justice. Simone De Beauvoir's work *The Second Sex* notes how these people have come to be defined as the “Other.”  
ANSWER: **women** [accept equivalents]  
[10] *In a Different Voice* posits that the answers of two children named Jake and Amy would be different when asked about the Heinz Dilemma in a study run by this psychologist, who was Gilligan's mentor.  
ANSWER: Lawrence **Kohlberg**  
*<Social Science Psychology - Shanmugam>*

7. Josef Hofmann never performed this work despite being its dedicatee. For 10 points each:  
[10] Name this piece. Its first movement is marked *Allegro ma non tanto* and starts with a so-called “Russian hymn.”  
ANSWER: Sergei **Rachmaninoff**'s **Piano Concerto No. 3** [prompt on partial answer; accept **Rach** in place of “Rachmaninoff”; accept **PC** in place of “piano concerto”]  
[10] This pianist made the first recording of Rachmaninoff's third piano concerto. Just after arriving in the US in 1928, this pianist asked to meet Rachmaninoff, his personal hero.  
ANSWER: Vladimir **Horowitz**  
[10] Rachmaninoff wrote his third concerto around the same time as this symphonic poem based on a black and white Arnold Bocklin painting. A recurring 5/8 motif in this tone poem may represent the rowing of oars.  
ANSWER: ***Isle of the Dead*** [accept *Die* ***Toteninsel***]  
*<Arts Music - Smith>*

8. The literary movement Generation of '27, which included Federico Garcia Lorca, formed to celebrate the 300th anniversary of the funeral of this author. For ten points each:  
[10] Name this Spanish poet, whose works include *Soledades*. He pioneered the ornate, ornamental literary style of *culteranismo* against the *conceptismo* developed by his long-time rival, Francisco de Quevedo.  
ANSWER: Luis de **Gongora**  
[10] de Gongora is declared to be a 'good poet' in the ranking of contemporary poets given in the work *Journey to Parnassus*, written by this author of some *Exemplary Novels* and *Don Quixote*.  
ANSWER: Miguel de **Cervantes** Saavedra  
[10] Another of de Gongora's major works is a classically-inspired 'fable' titled for two mythological characters. This is the *female* character mentioned in that title, whose name was also used for the title of Cervantes' first novel, a pastoral work which is memorably saved during the burning of Don Quixote's library.  
ANSWER: La **Galatea** [accept *La Fabula de* ***Polifemo*** *y* ***Galatea***]  
*<Literature European - Krol>*

9. The absolute Galois group of a finite field is isomorphic to the group of this type of integers, since it is the inverse limit of the sequence “Z mod p-to-the-n Z.” For 10 points each:  
[10] Name this type of number. They arise when taking the completion of the rational numbers with respect to a namesake, non-Euclidean norm.  
ANSWER: ***p*-adic** numbers [accept any specific prime number in place of *p*]  
[10] These numbers, on the other hand, can be constructed by taking the completion of the rational numbers with respect to the usual Euclidean absolute value. Another method of constructing these numbers involves using Dedekind cuts.  
ANSWER: **real** numbers  
[10] All generalizations of absolute values must obey this property, which means that the absolute value of zero is zero and the absolute value of any nonzero input is strictly greater than zero. It is also a requirement of metric spaces.  
ANSWER: **positive definite**ness  
*<Science Math - French>*

10. In the *Anglo-Saxon Chronicle*, this event is presaged by “excessive whirlwinds” and “fiery dragons.” For 10 points each:  
[10] Name this 793 event in which Danish raiders arrived at a monastery and made off with the relics of St. Cuthbert.  
ANSWER: sack of **Lindisfarne**  
[10] The *Anglo-Saxon Chronicle* refers to the Danes that sacked Lindisfarne using this specific word. A “Great Army” described by this word was led by Ivar the Boneless, Ubba, and Guthrum.  
ANSWER: **heathen** [or **hæðen** or **hæþen**; do not accept synonyms]  
[10] That Great Heathen Army eventually conquered every Anglo-Saxon kingdom except for this one, which recorded the *Anglo-Saxon Chronicle*. This kingdom defeated the Danes at the Battle of Eddington under the command of its king, Alfred the Great.  
ANSWER: **Wessex**  
*<History European to 1400 - French>*

11. In this book, the holy sites of Islam are shut down in 1979 and Arabic soon after goes extinct. For 10 points each:  
[10] Name this book, reportedly an edited version of notes by Dr Philip Raven. A benevolent “Dictatorship of the Air” is described in this book, which records history until 2106.  
ANSWER: *The* ***Shape of Things to Come*** (by H. G. Wells)  
[10] This Edward Bellamy book inspired the founding of “Nationalist Clubs” in the Anglophone world. In this novel, Julian West awakes in the year 2000 in a utopian America.  
ANSWER: ***Looking Backward****: 2000–1887*  
[10] Edward Bellamy adhered to this political philosophy, which inspired H.G. Wells' membership in the Fabian Society. Oscar Wilde complained that people's innate talents were wasted on fixing the problems of capitalism in an essay titled for “The Soul of Man under [this political philosophy].”  
ANSWER: **socialism** [do not accept “communism”]  
*<Literature British Non-Shakespeare - Smith>*

12. When performing rotational spectroscopy, diatomic molecules are typically modeled by this quantum mechanical model. For 10 points each:  
[10] Name this model, whose energy levels are given by “two times B times J times quantity J plus one.” Unlike the harmonic oscillator, in this model the bond-length is fixed.  
ANSWER: **rigid rotor**  
[10] The J in that expression is this quantity. Two quantum numbers are based on the magnitude and the *z*-component of this quantity, and macroscopically it is equal to r cross p.  
ANSWER: **angular momentum**  
[10] The conservation of angular momentum results in one of these “rules,” in which transitions between certain pairs of energy levels are forbidden.  
ANSWER: **selection** rules  
*<Science Chemistry - French>*

13. This diplomat used the pseudonym “Mr. X” to write his most famous work. For 10 points each:  
[10] Name this diplomat who composed a “long telegram” from Moscow that shaped much of US cold war policy.  
ANSWER: George **Kennan**  
[10] The “long telegram” outlined this policy, which focused on making sure Communism did not spread beyond its then-current frontiers. After what was seen as this policy's failure in the Chinese Revolution, it was modified to become more aggressive.  
ANSWER: **containment**  
[10] The “NSC 68” paper, issued in 1950 by this primary author and assistant secretary of defense, proposed a policy of rolling back Communist gains using new technologies including the hydrogen bomb. This author is considered a forerunner of neoconservatism.  
ANSWER: Paul **Nitze**  
*<History American (1945-present) - Myers>*

14. The RGG box is a motif that allows proteins to bind to these molecules. For 10 points each:  
[10] Name these molecules that are also bound to by K Homology domains. eIF2 helps mediate binding to a molecule of this type that is denoted with a subscript i and a superscript Met.  
ANSWER: **RNA**s [accept more specific types of RNAs like **mRNA**s, (initiator) **tRNA**s, messenger **RNA**s, or transfer **RNA**s; accept **ribonucleic acid**s in place of RNA for any answer]  
[10] These protein complexes, which are mainly comprised of snRNPs **(“snurps”)** and SM proteins, bind to pre-mRNA to remove introns.  
ANSWER: **spliceosome**s  
[10] The awesomely named RNA binding protein *Smaug* is found in this model organism, a fruit fly that was extensively studied by Thomas Hunt Morgan.  
ANSWER: ***Drosophila*** *melanogaster* [accept ***D. Melanogaster***]  
*<Science Biology - Shanmugam>*

15. This dish, which is intended to remind the eater of *geulah* and *galut* simultaneously, was invented because of a very literal reading of Numbers 9:11 **(chapter 9, verse 11)**. For 10 points each:  
[10] Give the most common English nickname for this food item, which consists of *maror* placed between two pieces of *matzah*. The *Koreich* concerns this food, which is eaten before the *Shulchan Orech*.  
ANSWER: **Hillel sandwich**es  
[10] Hillel sandwiches are eaten during the *seder* on this holiday. The counting of the Omer begins on the second day of this holiday celebrating the Exodus.  
ANSWER: **Passover** [or **Pesach**]  
[10] The most popular version of this book among American Jews is published by the Maxwell House coffee company. The Four Questions are found in this book, which leads readers through the *seder*.  
ANSWER: **Haggadah** [or **Haggadot**]  
*<RMP Non-Christian/Bible Religion - Smith>*

16. A montage in this film uses parts of a *Passacaglia and Fugue in C minor*. For 10 points each:  
[10] Name this film which uses organ chords during cuts between the shooting of five men and a christening ceremony which mirrors the protagonist's ascension to a new post.  
ANSWER: *The* ***Godfather***  
[10] This actor plays Vito Corleone in *The Godfather*. He popularized the Stanislavski Method and the T-shirt through his performance in *A Streetcar Named Desire*.  
ANSWER: Marlon **Brando**  
[10] Francis Ford Coppola's use of “Ride of the Valkyries” in *Apocalypse Now* was possibly an homage to this film, for which Joseph Carl Brell used the piece as a leitmotif. This film also contains a love theme called “The Perfect Song.”  
ANSWER: ***Birth of a Nation***  
*<Arts Film - Smith>*

17. This author created a speaker who tells a vulture “You see what I am: change me, change me!” For 10 points each:  
[10] Name this poet of “The Woman at the Washington Zoo.” This poet wrote of a man who “fell into the State” and “hunched in its belly till [his] wet fur froze” “ in “The Death of the Ball Turret Gunner.”  
ANSWER: Randall **Jarrell** **(juh-REL)**  
[10] Jarrell defended this poet in the essay “To the Laodeceans,” and wrote an essay on his “Home Burial.” This poet also wrote “Mending Wall” and “Stopping by the Woods on a Snowy Evening.”  
ANSWER: Robert **Frost**  
[10] Jarrell labelled this work “the most awful of Frost's smaller poems.” Jarrell claims this poem makes an “if a diabolical machine, then a diabolical mechanic” argument through the story of a “dimpled spider, fat and white” holding a moth.  
ANSWER: “**Design**”  
*<Literature American - Smith>*

18. Teddy Roosevelt called the lawyer Uriah Rose “the brainiest man I have ever met.” For 10 points each:  
[10] Rose was born in Kentucky but served most of his career in this state, where he tried to subvert radical reconstruction. The Brooks-Baxter War took place between local Unionists and Northern migrants in this state's Republican party.  
ANSWER: **Arkansas**  
[10] After setting up his influential law firm, Rose was sent by President Roosevelt to a 1907 conference in this European city which, along with an 1899 convention held in the same city and the Geneva Conventions, set terms for international warfare.  
ANSWER: The **Hague** [accept **Den Haag**, **'s Gravenhage**]  
[10] This 2016 presidential candidate became the first female partner of the Rose Law Firm while her husband Bill was serving as Arkansas Attorney General.  
ANSWER: **H**illary Rodham **Clinton** [prompt on Clinton]  
*<History American (1865-1945) - Jackson>*

19. In the 1990s, members of one of these groups refused to wear DC shoes, while another refused to use computers with MS-DOS, because both were symbols of the other. For 10 points each:  
[10] Identify these two feuding gangs, whose members are known as los numeros and las letras. These gangs originated in Los Angeles, but were spread back to their current base by US deportation policies.  
ANSWER: **MS-13** and **Barrio 18** [or **Mara Salvatrucha** and **18th Street**; accept **13** for MS-13; **Calle 18** or La **18** or **Mara 18** for Barrio 18]  
[10] The murder rate in this Central American country, where most members of MS-13 and Barrio 18 originate from, declined after the gangs agreed to a brief truce in 2012.  
ANSWER: **El Salvador**  
[10] The murder rate in El Salvador spiked following a government operation whose name contains this adjective this adjective. That initiative was started by the right-wing ARENA party in 2003. This word precedes “beam” in another country's planned defense program that will rely heavily on fiber lasers.  
ANSWER: **iron** [or **Iron** Fist; or **Iron** Beam]  
*<Current Events Non-US - Bentley>*

20. A still life from this country depicts a quince and a cabbage hanging from strings next to a melon and a cucumber. For 10 points each:  
[10] Name this country, home to a sub-genre of still lifes that depict food, jars, and other “pantry items.” Another still life from this country depicts a plate of lemons, a jar of oranges, and a rose on a sleek black table.  
ANSWER: **Spain** [or **España**]  
[10] Although it is not a still life, this Spanish painting is often classified as a *bodegón* due to its focus on cups and jars. In this painting, an older man stares past a boy as he hands him a cup with a fig in it.  
ANSWER: *The* ***Waterseller*** *of Seville* [or ***Vendedor de agua*** *de Sevilla*] (by Diego Velázquez)  
[10] A painting that doubles as both a *bodegón* and a religious painting is Francisco de Zurbarán's *Agnus Dei*, which depicts one of these animals. Blood gushes out of a “sacrificial” one of these animals in the central panel of the *Ghent Altarpiece*.  
ANSWER: **lamb** [or **sheep**]  
*<Arts Painting - French>*

21. Marion Barry, a student at Fisk University, was elected the first chairman of this group. For 10 points each:  
[10] Name this civil rights group once led by Stokely Carmichael. This group opted to stay autonomous to avoid the emergence of the “Moses-type leader” common in religious civil rights groups like the SCLC.  
ANSWER: **Student Nonviolent Coordinating Committee** [or **SNCC** **(snick)**]  
[10] The SNCC was founded at the beginning of this decade, during which the Civil Rights Act was passed and Martin Luther King Jr. was assassinated.  
ANSWER: 19**60s** [or **sixties**]  
[10] This woman encouraged students to found the SNCC after inviting them to an SCLC meeting. This civil rights activist co-founded In Friendship with Stanley Levison and Bayard Rustin.  
ANSWER: Ella **Baker**  
*<History American (1945-present) - French>*