**2019 National All-Star Academic Tournament**

**Round 1 – Tossups**

1. One church that originated in this country was accused of murdering the British child Anna Climbie after she was allegedly possessed by demons. One evangelist in this country aroused controversy by kicking a statue of the Virgin Mary on national TV in 1995. That televangelist was a member of this country's Universal Church of the Kingdom of God, which is led by Bishop Edir Macedo. This country's Cardinal Odilo Scherer was a leading candidate to replace Pope Benedict XVI. It's not in Africa or North America, but in one religious tradition from this country, participants wear white and worship Olodumare and other *orixas* **(“oh-REE-shah”)**. This country's state of Bahia is home to a large population of black Muslims. For 10 points, name this country where the syncretic religion of Candomblé **(“CAN-dom-BLAY”)** originated among slaves brought by Portuguese colonizers.  
ANSWER: **Brazil**  
*<RMP Christian/Bible Religion - Myers>*

2. When he turned forty, Shen Zhou painted a hanging scroll depicting one of these things in honor of his teacher Chen Kuan. That painting employs the “hemp-fiber” style of painting these things, in constrast to the “devil-face” style pioneered by Li Cheng. A painting once attributed to Juran likely inspired Wang Hui's “dragon-vein” style of representing these things. Four mules and a traveller appear near the bottom of a painting whose far plane depicts a large one of these things; that is Fan Kuan's *Travellers*. These things are tinted blue in Wang Ximeng's only surviving work, a handscroll that depicts “A Thousand Li of Rivers and” these things. This is the first word in the name of a specific genre of inkwash painting sometimes translated as just “landscape.” For 10 points, name these geographical features that are paired with “water” in a namesake genre of Chinese landscape painting.  
ANSWER: **mountain**s [or **shān**; accept **rock**s, **ridge**s, or **cliff**s]  
*<Arts Painting - French>*

3. The “bongo flava” genre of hip-hop uses this language in its lyrics. One country attempted to adopt this language as official in 2019 to reduce conflict between the Dinka and Nuer. Siddi was a dialect of this language spoken in Gujarat. The slum of Kibera is a center of the Sheng language, which is heavily influenced by this language and English. A dialect of this language known by the prefix “Wa” is more complex than other forms. Prominent dialects of this language include ones named for the islands of Lamu and Unguja. The cities of Pate, Kilwa, and Mombasa were centers of trade on a “coast” named for this language. Ron Karenga adapted terms from this language for his new holiday of Kwanzaa. For 10 points, name this lingua franca of East Africa and official language of Tanzania.  
ANSWER: **Swahili** [accept **Kiswahili**, **Waswahili**]  
*<Geography World - Myers>*

4. This man was the petitioner in a Supreme Court case holding that federal plea bargains do not create double jeopardy with regard to state charges. This man's publicist, William McMasters, quickly turned on him and denounced him as an “idiot” who “can hardly add.” This man's attempt to take over the Hanover Trust caused the collapse of that bank and five others. Clarence Barron's exposé in the *Boston Post* calculated that this man must have purchased 160 million items, out of a worldwide supply of only 27,000, for his claimed strategy to work. In 1920, this man was charged with 86 counts of mail fraud after his alleged plan to make a profit reselling international reply coupons unraveled. For 10 points, identify this Italian-born con artist who lends his name to “schemes” in which existing investors are paid with the principal from new investors.  
ANSWER: Charles **Ponzi** [or Carlo **Ponzi**; or **Ponzi** scheme]  
*<History American (1865-1945) - Weiner>*

5. In one novel about this event, a character recounts watching a film about this event and desperately trying to find his mother in it in a breathless nine-page sentence. In one novel set during this event, vaccinations that raise the dead are given by a doctor for whom time proceeds backwards. In another novel about this event, the protagonist feels ashamed for wanting to 'get rid of this dead weight' after searching for a man he left out in the snow. In a novel set during this event, the protagonist imagines seeing 'God hanging here on the gallows' and repeats the phrase 'never shall I forget'. The protagonist hears his father getting beaten to death directly below him in a novel where unheeded warnings about this event are given by Moshe the Beadle. For 10 points, *Night* by Elie Wiesel depicts what genocide?  
ANSWER: The **Holocaust** [prompt on ghettos or World War Two or similar, asking 'what general event was it a part of?'; accept specific camps like **Auschwitz**]  
*<Literature European - Krol>*

6. Although the time-evolution operator in the interaction picture does *not* depend on these things, the operator in the Heisenberg picture *does*. These non-transition things are assumed to be harmonic in the derivation of Fermi's golden rule, which exemplifies how the interaction picture is convenient when these things exist and are time-dependent. In an approach named for these things, the formula 'the inner product n, V, n' gives the first-order change to an energy eigenvalue. That approach named after these phenomena, which can be time-dependent or time-independent, approximates the energy levels of a quantum system which is slightly changed from a known system. If a classical system returns to its original state after a small one of these phenomena is applied to it, it is referred to as stable. For 10 points, name these typically small alterations to a system's Hamiltonian.  
ANSWER: **perturb**ations [or **perturb**ation theory]  
*<Science Physics - Krol>*

7. In a novel by this author, Walter Fane dies in a cholera epidemic, leaving his wife Kitty to return to Hong Kong alone. A recurring character created by this author encounters the “hairless Mexican” while working for the mysterious R. as part of the British secret service; that character, William Ashenden, assists Alroy Kear with a biography of Edward Driffield in a different novel. *The Painted Veil* is a novel by this author, who also wrote about a character who paints his masterpiece on the walls of a hut in a Tahitian leper colony. This author of *Cakes and Ale*, who fictionalized Paul Gauguin as Charles Strickland, wrote a novel in which the protagonist rejects the syphilitic waitress-turned-prostitute Mildred Rogers. At the end of that novel by this author, Sally Athelny marries the club-footed Philip Carey. For 10 points, name this British author of *The Moon and Sixpence* and *Of Human Bondage.*  
ANSWER: W. Somerset **Maugham** **(“mawm”)**  
*<Literature British Non-Shakespeare - Tong>*

8. At the 1835 Democratic National Convention, a man from this state named Edward Rucker, whom the organizers had found in a local tavern, controlled all of this state's 15 votes after its delegation refused to show up. The Watauga Republic was established in what is now this state in 1772. John Sevier served as governor of this state after failing to establish the state of Franklin in what is now this state. Henry Clay attacked one politician from this state by asking “Who is” that politician, who would later use the slogan “54 ’40” **(fifty-four, forty)** or fight”. The coonskin cap was popularized by one politician from this state, Davy Crockett. James K. Polk, a politician from this state, was nominated after an influential former president demanded a pro-expansion Southwesterner as the Democratic Party's nominee. For 10 points, name this home state of Andrew Jackson.  
ANSWER: **Tennessee**  
*<History American (pre-1865) - Myers>*

9. Mary Power found that removing top predators from these ecosystems caused suppression of chironomids, a classic example of a trophic cascade. The repeated assimilation and mineralization of nitrogen and phosphorus in these ecosystems is described as “nutrient spiraling.” Changes in photosynthesis and respiration rates in these ecosystems are described by their namesake continuum concept, which divides their insect guilds into shredders, collectors, and scrapers. Allochthonous carbon inputs like falling leaves are important when these ecosystems have low Strahler order, which is one way of characterizing their branching structure. Their physical properties are affected by factors like flow velocity, and riparian zones are found at their banks. For 10 points, name these aquatic ecosystems with moving water.  
ANSWER: **stream**s [or **river**s]  
*<Science Biology - Kothari>*

10. T. W. Rolleston translated a poem ascribed to this figure which proclaims “Men grow mighty in the May”; that poem is entitled “In Praise of May”. A fairy who has been turned into a pig's head marries one of this man's sons. That son instantly ages 300 years after falling from the horse Enbarr. This figure plays fidchell **(Fith-Chell)** in order to lure out Diamuid, who had run off with this man's intended wife Grainee **(groin-yuh)**. Cairbre Lifechair fights this man's forces as told in the Cath Gabhra **(kah gavra)**, part of a cycle named for this hero, which, along with the Mythological, Historical, and Ulster cycles, is one of the four major cycles of his country. This father of Oisin **(Uh-Sheen)** met his wife Sadhbh **(sive)** while she was in the form of a deer. For 10 points, name this leader of the Fianna **(feen-uh)** who is best known for burning his thumb while cooking of the Salmon of Knowledge.  
ANSWER: **Fionn** mac Cumhaill [accept **Finn** McCool, which is the same pronunciation anyway]  
*<RMP Non-Greek/Roman Myth - Hijazi>*

11. After a visit to the theater, a woman in a story by this author wishes that her “cable car would never stop” and would “go on and on with her forever.” A woman created by this author who “knows the value of bargains” avoids the “morbid retrospection” of her neighbors and buys an expensive pair of kid gloves and stockings. Another of this author's characters observes the “delicious breath of rain” after hearing news from Josephine. A woman in a story by this author is shocked when she notices the similarities between a baby and a boy fanning him with peacock feathers, and in that same story, a character burns a letter from his mother and a willow cradle. A woman in a story by this author resolves to “live for herself” before she dies of shock when Brently Mallard comes home. For 10 points, name this author of “The Story of an Hour” and “Désirée's Baby.”  
ANSWER: Kate **Chopin** [or Katherine **O’Flaherty**]  
*<Literature American - Husar>*

12. Hans Gaffron discovered that green algae can produce this molecule instead of oxygen when in the presence of light. Bill Knowles led a team that developed a variant of the Schrock-Osborn catalyst that asymmetrically added this molecule to a precursor of L-DOPA. Activated charcoal acts as a catalyst to form a 50:50 mixture of the ortho and para spin isomers of this molecule. When coupled with a palladium catalyst, this molecule will convert acyl substituents on benzene to alkyl groups. Aluminum and gallium pellets added to water will produce this gas. This gas is the lighter component of syngas, which also contains carbon monoxide. The Haber-Bosch process reacts this gas with nitrogen gas in order to produce ammonia. For 10 points, name this lightest elemental gas.  
ANSWER: **hydrogen** gas [or **H2**]  
*<Science Chemistry - Husar>*

13. When one character in this stage-work fails to cut a coconut with his sword, he then figures that the coconut is a god and prays to it. A celebrated pantomime by the central character of this piece begins shortly after a foot kicks him onto the center of the stage. A third character who holds a cornet while dancing one variation appears “always en pointe” throughout this ballet. The librettist Alexandre Benois created four tableaux for this ballet, two of which depict a Shrovetide Fair. The clarinets arpeggiate clashing C major and F-sharp major triads in the second scene of this ballet. That chord represents the title character of this ballet, who is in a love triangle with a Moor and a ballerina. That protagonist of this ballet curses the magician that brings him to life. For 10 points, name this ballet by Igor Stravinsky titled for a puppet.  
ANSWER: ***Petrushka*** [or ***Petrouchka***]  
*<Arts Ballet/Dance/Musicals - Smith>*

14. In one article, Nancy Andreasen accused this work's authors of artificially inflating reliability at the expense of validity. Evelyn Hooker's work demonstrating the inability to distinguish a certain population form the general public helped lead to the removal of one part of this work. Thomas Szasz **(SAHSS)** has criticized this work for the difficulty of verifying its conclusions. The most recent edition of this work features a guide for the future implementation of continuous scales and was the first to include multi-axis scales for diagnosis. Previous editions of this work faced criticism from gay rights groups for the inclusion of homosexuality as a “sociopathic personality disturbance.” Newer categories added to this text include culture bound disorders and the autism spectrum. For 10 points, name this guidebook for diagnosing mental illness, used by the American Psychiatric Association.  
ANSWER: **DSM** [accept **Diagnostic and Statistical Manual** of Mental Disorders; accept specific editions such as **DSM-V** or **DSM-IV**]  
*<Social Science Psychology - McLain>*

15. One kingdom in this modern-day country used portrait sculptures called *ndop* to record kings' reigns and was founded by Shyaam the Great. The city of Bunkeya was founded in this modern country by a ruler who overthrew the Kazembe Kingdom. That ruler, Msiri, founded the Yeke kingdom and competed with this country's Kuba Kingdom. One trader who established a kingdom in this modern country but was originally from one of its eastern neighbors was named for the sound of the muskets his army used, “Tippu Tip.” One politician from this country, Joseph Kasa-vubu, sought to restore a kingdom that founded cities called *mbanza*s. Agents such as Henry Stanley, who worked for King Leopold II, claimed much of this modern-day country's territory. For 10 points, name this modern country, where Belgian colonists founded the city of Kinshasa.  
ANSWER: **D**emocratic **R**epublic of the **C**ongo [do not accept **Republic of the Congo**, prompt on Congo]  
*<History World - Myers>*

16. Early in this work, a god binding together the heads of two creatures is analogized to pleasure and pain. In this work, a book by Anaxagoras is bemoaned for explaining the motion of the heavenly bodies with air, water, and ether, instead of the mind. This work's narrator is told that both the very good and very wicked are rare, and that believing otherwise can lead to misanthropy and misology. This work used the example of snow retreating before fire to demonstrate that Forms cannot become their opposite. In this dialogue, an argument from Simmias based upon the harmony of the lyre is refuted using the Theory of Recollection. This dialogue argues that the soul is immortal and discusses the nature of the afterlife. For 10 points, name this Platonic dialogue that concludes with the death of Socrates by drinking hemlock.  
ANSWER: ***Phaedo*** [accept ***On the Soul***]  
*<RMP Philosophy/Thought - Lucas>*

17. In the second couplet of his poem “Tonight,” Agha Shahid Ali quoted this author's lines “Fabrics of Cashmere” and “Me to adorn— How tell.” A poem by this author concludes with the lines “Finally, no Golden Fleece— / Jason— sham— too.” This poet described an entity that is “docile and omnipotent / at its own stable door” in one of her many riddle poems. This author described watching an entity “stop to feed itself at tanks” and “lick the valleys up” in a poem about a train. The speaker exclaims “Don't tell! They'd advertise— you know” after noting “Then there's a pair of us!” and laments “How dreary— to be— somebody!” in a poem that employs this poet's characteristic em-dashes and non-standard capitalization. For 10 points, name this American poet of “I like to see it lap the miles” and “I'm Nobody! Who are you?”  
ANSWER: Emily **Dickinson**  
*<Literature American - French>*

18. After an election under this government that was meddled in by the CIA, the US ambassador to this government reportedly told its President “No communists in government, or else”. The Poujadist Movement began under this government after an anti-Semitic shopkeeper blocked tax inspectors from entering his village. The “Third force” coalition emerged under this government to deny the Communist Party the right to form a government after it won the highest share of votes. This government collapsed after General Jacques Massu formed a committee of settlers in one of its colonies that demanded its replacement by a military government. This government signed the Geneva Accords after a defeat at the Battle of Dien Bien Phu. For 10 points, name this government established following World War II, which was succeeded by its country's current presidential system under Charles De Gaulle.  
ANSWER: French **Fourth Republic** [prompt on French Republic, Republique Francaise, or France]  
*<History European 1914-present - Myers>*

19. The exponential of a Lie **(lee)** algebra must generate the largest subgroup with this property of its corresponding Lie **(lee)** group, because that subgroup with this property is generated by any neighborhood of the identity in the group. This property is equivalent to the condition that a space has exactly two clopen **(not a typo)** subsets. A space has one variety of this property if, given any two points, there exists a continuous map from the closed interval [0,1] **(zero, one)** to the space mapping its endpoints to the given points. A topological space has the **(emphasize)** *opposite* of this property if it can be expressed as the disjoint union of two open sets. A graph has this property if there is a path between any two vertices. For 10 points, name this property which is held by sets which have only one namesake “component”.  
ANSWER: **connected**ness [or word forms thereof]  
*<Science Math - Thompson>*

20. This musician invented figures such as the musicologist Karlheinz Klopweisser to write negative reviews of his own playing. This performer said that a piece he popularized “rests lightly on the wings of the unchecked wind” like “Baudelaire's lovers” in a set of liner notes. This musician praised the “take-twoness” of the studio that allowed him to record 21 versions of the first part of that piece. Alberto Guerrero taught this player the “finger tapping” technique he pioneered. This performer enraged listeners with his habit of humming during his concerts, which may have been due to Asperger's syndrome. In a televised recording, Leonard Bernstein **(“burn”-styne)** asked “Who is the boss?” before this musician played a half-speed version of a Brahms concerto. In 1981, he recorded a slower version of the Bach piece he first played on a best-selling 1955 album. For 10 points, name this Canadian pianist who popularized the *Goldberg Variations*.  
ANSWER: Glenn **Gould**  
*<Arts Music - Smith>*

21. This type of reaction occurs through the formation of an encounter complex which determines the pre-equilibrium rate for the total rate of this type of reaction. The Eigen-Wilkins mechanism describes an associative reaction of this type involving an ML6 complex. Aromatic compounds undergoing this type of reaction may form an intermediate Meisenheimer complex. A named reaction of this type adds an alkyl group from an alkyl halide aromatic compounds using a lewis acid. The Friedel Crafts reaction falls under this general class of reactions. One variant of this type of reaction is classified as first order if the leaving group is the rate-limiting step; that variant is second order if nucleophilic attack concerted. For 10 points, name this general class of reactions that EAS, SN1 and SN2 fall under where one group is replaced with another.  
ANSWER: **substitution** [or nucleophilic **substitution**, nucleophilic aromatic **substitution**, electrophilic aromatic **substitution**, ligand **substitution**, associative ligand **substitution**; prompt on SN1; prompt on SN2; prompt on EAS; prompt on SNAR]  
*<Science Chemistry - Etzkorn>*

**2019 National All-Star Academic Tournament**

**Round 1 – Bonuses**

1. Juvenal's sixth satire claims that one cannot be happy while one of these people is still alive. For 10 points each:  
[10] Name these people, often the subject of jokes in Roman literature. In a play titled for one of these people named Sostrata, Philumena tries to avoid one of these people after having become pregnant after her rape by Pamphilus, though the two eventually get married in a not-too-happy ending.  
ANSWER: their **mother-in-law** [or clear equivalents; or **hecyra**]  
[10] *Hecyra*, or *The Mother-in-Law*, is a play by this Roman playwright of *Andria* and *The Self-Tormentor*. Of Berber descent, he grew up as a slave but was freed in his twenties on account of his intellect.  
ANSWER: **Terence** [or Publius **Terentius** Afer]  
[10] A less successful attempt to deal with children in awkward marital situations, in which the title character kills her and Jason's children, occurs in this Greek author's play *Medea*.  
ANSWER: **Euripides**  
*<Literature European - Krol>*

2. In 2018, voters in this state approved Amendment 13, which places a constitutional ban on greyhound racing. For 10 points each:  
[10] Identify this state, which prior to the amendment hosted 11 of the 17 remaining dog racing tracks in the US.  
ANSWER: **Florida**  
[10] In the same election, Florida voters also approved a measure to re-enfranchise these people, which constitute at least a million residents of the state.  
ANSWER: former **felon**s [or ex-**prisoners**]  
[10] This man, who won a close race against Andrew Gillum to become Florida's governor, has supported Republican efforts since the election to roll back some of the rights granted to former felons.  
ANSWER: Ron **DeSantis** [or Ronald Dion **DeSantis**]  
*<Current Events US - Bentley>*

3. The poetry contained in this admiral's War Diary is widely considered a classic of Korean literature. For 10 points each:  
[10] Name this victor at the Battle of Noryang, who built early ironclads called “turtle ships” to defend against a Japanese invasion during the Imjin War.  
ANSWER: **Yi** Sun-shin [or **Yi** Sun-sin; or **Yeohae**]  
[10] The Imjin War was launched by this second great unifier of Japan, who succeeded Oda Nobunaga and preceded Tokugawa Ieyasu.  
ANSWER: **Toyotomi** **Hideyoshi** [accept either]  
[10] One leader of this clan nicknamed “the one-eyed dragon” gained power after serving under Hideyoshi in the Imjin War. That leader of this clan, Masamune, was famed for writing a letter to Pope Paul V about his protection of Christians in his realm and building a galleon that he later dispatched to Rome by way of Mexico.  
ANSWER: **Date**  
*<History World - Myers>*

4. While hiding his among these people, Odysseus begins to cry when he hears a bard sing a song about a conflict he took part in, upset at the painful memories the bard had recalled. For 10 points each:  
[10] Alcinous, a king of these people, became suspicious of Odysseus' identity after that crying incident. A princess of these people, Naussica, finds Odysseus after he washes ashore and these people later whisk him home to Ithaca.  
ANSWER: the **Phaeacians** [accept **Scherians**]  
[10] Not knowing Odysseus is in his presence, this bard sings the song of the Trojan Horse and the sack of Troy. Since this bard is described as blind, many believe that Homer inserted himself into the Odyssey as this character.  
ANSWER: **Demodocus**  
[10] After singing about unfaithful women and goddesses, Demodocus stirs fears in Odysseus that this wife of his may also have been unfaithful. In reality this mother of Telemachus waited patiently for her husband and resisted all of her potential suitors.  
ANSWER: **Penelope**  
*<RMP Greek/Roman Myth - Jankov>*

5. A descent from A to E by step on the phrase that titles this song became an oft-imitated sign of grief in music. For 10 points each:  
[10] Name this air which began its life as an instrumental piece based on the pavane. Its singer asks “Where night's black bird her sad infamy sings / There let me live forlorn” after telling the title objects to “fall from your springs!”  
ANSWER: “**Flow, my tears**” [or “**Lachrimae**”]  
[10] John Dowland wrote “Flow, my tears” for this string instrument with a deep round back. It is both etymologically and musically related to the Arabic *oud*.  
ANSWER: **lute**s  
[10] Falling tears motifs based on Dowland's were adopted for many tombeau scored for lute. The genre of tombeaux was repopularized much later by an example that this composer titled for Louis Couperin and dedicated to friends who died in World War One.  
ANSWER: Maurice **Ravel**  
*<Arts Music - Smith>*

6. Rudolf Peierls **(PY-earls)** argued that these phenomena could form below a critical temperature due to energy gaps occurring in a lattice. For 10 points each:  
[10] Name these phenomena, which consist of oscillations in the namesake quantity in one-dimensional crystals. When an electric field is applied, these phenomena can “slide,” producing a current.  
ANSWER: **charge density wave**s [prompt on partial answer]  
[10] In niobium diselenide, charge density waves and this property have been observed to coexist. Materials with this property have zero resistance when cooled below a critical temperature.  
ANSWER: **superconductivity** [accept word forms]  
[10] The energy gaps which lead to the formation of charge density waves occur at values of the wavevector named for this scientist. This man's namesake surface separates occupied from unoccupied electron states at zero temperature.  
ANSWER: Enrico **Fermi**  
*<Science Physics - Rombro>*

7. This director was hired to create the “1984” Apple commercial, which villainizes IBM. For 10 points each:  
[10] Name this director of *Blade Runner*. The supercomputer MOTHER executes Special Order 937, bringing a Xenomorph on board the *Nostromo* in his movie *Alien*.  
ANSWER: Ridley **Scott**  
[10] A Borges-quoting supercomputer runs this city in a film originally titled *Tarzan versus IBM*. Lemmy Caution destroys the supercomputer and this city with the help of Natacha von Braun, played by Anna Karina.  
ANSWER: ***Alphaville***  
[10] IBM makes machines like the one that is seen as Moloch in a hallucination by Freder in this German Expressionist sci-fi film by Fritz Lang, titled for a machine-filled city.  
ANSWER: ***Metropolis***  
*<Arts Film - Smith>*

8. One of these texts named for London contains 61 recipes, 25 of which are for medical purposes. For 10 points each:  
[10] Name these ancient texts. One of these texts named for Georg Ebers cites the heart as the organ through which all bodily fluids pass, not just blood.  
ANSWER: medical **papyri** [or medical **papyrus**]  
[10] Medical papyri are ancient medical texts written by people from this civilization. Other scientific discoveries by this civilization include the use of natron salt in mummification and the creation of “nilometers” which predict the flooding of the Nile.  
ANSWER: Ancient **Egypt** [accept **Kemet**]  
[10] During mummification, this organ was removed with a hook-like instrument and then thrown away. Like the kidneys, the ancient Egyptians attributed the functions provided by this organ to the heart.  
ANSWER: **brain**  
*<Science History of Science - French>*

9. George Meany presided over the merger of this organization's two constituent parts. For 10 points each:  
[10] Name this organization currently led by Richard Trumka, which replaced an organization once led by John L. Lewis.  
ANSWER: **AFL–CIO** [accept **American Federation of Labor–Congress of Industrial Organizations** from pretentious players]  
[10] This union was expelled from the AFL–CIO due to concerns over the mob connections and flagrant corruption of its head, Jimmy Hoffa. This union organizes transportation workers and is named for workers who would supervise mule driving.  
ANSWER: International Brotherhood of **Teamsters**  
[10] This unionist was a long-standing progressive voice of opposition to the conservative AFL–CIO leadership under Meany. After unseating the AFSCME’s corrupt president, Arnold Sander, this man ended its involvement with the CIA and established state employees' right to strike.  
ANSWER: Jerry **Wurf**  
*<History American (1945-present) - Myers>*

10. In one poem, a person of this occupation named Basil has his face dramatically revealed when he takes off his “Spanish sombrero” after meeting the protagonist in Missouri. For 10 points each,  
[10] Name this occupation that Basil had in the village of Grand-Pre before becoming a sheep herder upon his expulsion. He helps guide the title character of an epic poem on her fruitless quest to find Gabriel Lajeunesse.  
ANSWER: black**smith**  
[10] A smith in the same author's poem “The Village Blacksmith” works “under the spreading” one of these specific plants.  
ANSWER: **chestnut tree** [prompt on tree; accept **chestnut**]  
[10] Both “The Village Blacksmith” and *Evangeline* were written by this American poet of *The Midnight Ride of Paul Revere*, which focuses on a silversmith rather than a blacksmith.  
ANSWER: Henry Wadsworth **Longfellow**  
*<Literature American - Myers>*

11. Answer the following about some critical analyses of sexism. For 10 points each:  
[10] In her book *Feminist Frontiers*, Marilyn Frye argued women are subjected to this situation, in which very few options exist, and all of them “expose one to penalty, censure or deprivation.” Gregory Bateson used this term to refer to situations where someone receives two contrasting messages.  
ANSWER: **double bind**  
[10] This term, coined by Kimberle Crenshaw, describes the overlap of identities that combine to produce additional privileges or disadvantages, such as the overlapping racism and sexism faced by black women.  
ANSWER: **intersectionality** [accept word forms]  
[10] This author of *Feminism is for Everyone*  analyzed the intersectional effects of sexism and racism on black women. This thinker also wrote *Teaching to Transgress* where she discussed the “transgressive” nature of education that allows for crossing class and social lines to give the “gift of freedom.”  
ANSWER: bell **hooks** [or Gloria Jean **Watkins**]  
*<Social Science Misc - McLain>*

12. Early depictions of this figure represented him using symbols such as a pair of footprints. For 10 points each:  
[10] Name this person, followers of whom may depict scenes from his life on cloth in *thangka* **(TAHN-kah)** paintings. Odilon Redon's symbolist paintings of this person include one of him *Walking among the Flowers*.  
ANSWER: the **Buddha** [or either part of **Siddhartha** **Gautama**]  
[10] Sherrie Levine paid homage to this artist with her golden toilet *Fountain (Buddha)*. Guillaume Apollinaire once remarked that this Dadaist's readymade of a urinal signed “R. Mutt” resembled a seated Buddha.  
ANSWER: Marcel **Duchamp**  
[10] This creator of *Buddha Watching TV* used televisions to create a cello for Charlotte Moorman. This founder of video art coined the term “electronic superhighway.”  
ANSWER: Nam June **Paik** **(“beck”)**  
*<Arts Painting - Smith>*

13. In this play, Felix Hobain, who takes on the alias Makak, works as a charcoal burner in the title place. For 10 points each:  
[10] Name this play in which the protagonist is imprisoned by Corporal Lestrade with Tigre and Souris and has a vision of a goddess that inspires him to drunkenly attack a cafe.  
ANSWER: ***Dream on Monkey Mountain***  
[10] *Dream on Monkey Mountain* is a play by this Nobel laureate and author of the poem “A Far Cry from Africa” and the collection *Sea Grapes*. This author is most famous for an epic poem where fishermen meet at the No Pain Cafe.  
ANSWER: Derek **Walcott**  
[10] In *Dream on Monkey Mountain*, the coffin-maker Basil hovers over the protagonist, Makak, during his trial. Basil is a figure from this religion, which was attacked in the novels of Jacques Roumain for its belief in *loa*.  
ANSWER: **voodoo** [accept **vodou** or **vodun**]  
*<Literature World - Myers>*

14. If two functions with this property agree on a set with a limit point, they must agree everywhere on their domains. For 10 points each:  
[10] Name this property, the complex analog of differentiability. A consequence of the Cauchy integral formula is that, for a complex function, this property is equivalent to being analytic.  
ANSWER: **holomorphic** [accept word forms]  
[10] Since holomorphic functions are analytic, they can be written as one of these series in terms of their derivatives. When these series are centered at zero, they are named for Maclaurin.  
ANSWER: **Taylor** series  
[10] When a holomorphic function is viewed as a map from R2 to R2, its Jacobian matrix must have a specific structure by the Cauchy-Riemann equations. If the top row of its Jacobian matrix is **(read slowly)** “*a* comma *b*”, what is the bottom row of this matrix in terms of *a* and *b*?  
ANSWER: **negative *b*** comma ***a*** [or **minus *b*** comma ***a***; do not accept in the other order]  
*<Science Math - Morrison>*

15. This ruler established a namesake library that was later destroyed after the Ottomans won the battle of Mohacs. For 10 points each:  
[10] Name this leader whose best-known nickname comes from the Latin name for the raven that was prominent on his crest. This leader recruited demobilized Hussite soldiers from neighboring Bohemia into his “black army”.  
ANSWER: **Matthias** Corvinus [or **Matthias** I; or Hunyadi **Mátyás**]  
[10] Matthias Corvinus often fought this Holy Roman Emperor, who claimed sovereignty over Hungary. This emperor placed his ward, Ladislaus the Posthumous, on the Hungarian throne, only for Ladislaus to die at age 17, allowing Matthias to take over.  
ANSWER: **Frederick III**, Holy Roman Emperor [accept **Frederick V** of Austria and **Friedrich** for Frederick; prompt on Frederick]  
[10] Frederick III was a member of this Austrian royal house, which would eventually control the monarchies of much of continental Europe.  
ANSWER: **Habsburg**  
*<History European 1400-1914 - French>*

16. This thinker addressed the Many Mansions and Other Minds replies to his most famous work at the end of one of his papers. For 10 points each:  
[10] Name this author of the paper “Minds, Brains, and Programs,” which argued that intentionality was a defining feature of mental states possessed by a brain. That paper also proposed a thought experiment meant to refute the computational theory of mind.  
ANSWER: John Rogers **Searle**  
[10] John Searle’s Chinese Room experiment was meant to demonstrate the non-viability of the “strong” form of this phenomenon. Machine learning is part of this broad field that seeks to make computers think and learn like humans.  
ANSWER: strong **artificial intelligence** [or strong **AI**]  
[10] This Heidegger scholar's work on AI includes his book *Alchemy and Artificial Intelligence*. He wrote about the “limits of artificial intelligence” in his book *What Computers Can't Do*.  
ANSWER: Hubert **Dreyfus**  
*<RMP Philosophy/Thought - Shanmugam>*

17. After the death of Jochi, this empire was split into two ulus, one called the Blue and one called the White. For 10 points each:  
[10] Name this empire, which was founded by Batu Khan, the grandson of Genghis Khan. They are sometimes called the Kipchak Khanate, though their most famous name supposedly derives from the colors of their tents.  
ANSWER: **Golden Horde** [prompt on the **Mongol** empire]  
[10] The Golden Horde's invasion of Europe began when these people fled into Hungary after their defeat alongside the Rus at the Battle of the Kalka River, though Hungary rejected them and killed their chieftain Koten. Their name is hyphenated with Kipchaks in the name of a confederation of tribes.  
ANSWER: **Cumans** [or the **Cuman**-Kipchak confederation]  
[10] The Golden Horde, under the command of Subotai, smashed Bela IV's troops at this 1241 battle fought near the Sajo river. This battle opened up Hungary for the Horde, allowing them to later burn Pest.  
ANSWER: Battle of **Mohi**  
*<History European to 1400 - Shanmugam>*

18. The C-terminus of this protein contains a PDZ-interacting domain that can interact with NHERF. For 10 points each:  
[10] Name this ATP-binding cassette transporter that moves chloride and thiocyanate in the sweat glands, among other functions.  
ANSWER: **CFTR** [or **cystic fibrosis transmembrane conductance regulator**]  
[10] The delta-f508 mutation in CFTR causes cystic fibrosis, a condition that leads to buildup of this substance in the lungs.  
ANSWER: **mucus**  
[10] By binding with Arf6 and subsequently overactivating protein kinase A, a toxin produced by one member of this genus dangerously increases the rate of CFTR transport. That bacteria from this genus is the causative agent of cholera.  
ANSWER: ***Vibrio*** [the causative agent is *Vibrio cholerae*]  
*<Science Biology - Shanmugam>*

19. One poem by Phillip Larkin declares that “sexual intercourse began” between the end of the ban on this novel “and the Beatles' first LP”. For 10 points each:  
[10] Name this D. H. Lawrence novel about the gamekeeper Oliver Mellors' affair with the title noblewoman, which was the subject of a lengthy British obscenity trial against its publisher, Penguin.  
ANSWER: ***Lady Chatterley's Lover***  
[10] Phillip Larkin was a member of a literary group called the Movement. This other Movement poet later wrote several elegies to his AIDS-afflicted friends, such as “The Man with Night Sweats.” His early collections include *The Sense of Movement* and *Fighting Terms*.  
ANSWER: Thom **Gunn**  
[10] This Larkin poem, which laments “Man hands on misery to man,” was inspired by Robert Louis Stevenson's *Requiem*. It warns “Get out as early as you can, / And don't have any kids yourself.”  
ANSWER: “**This Be the Verse**”  
*<Literature British Non-Shakespeare - Smith>*

20. This system is based on a balance between three substances called *doshas*, which include *vata*, *pitta*, and *kapha*. For 10 points each:  
[10] Name this system of South Asian traditional medicine, first codified in the *Caraka Samhita* and Sushruta *Samhita*. Its practitioners use eight kinds of symptoms to diagnose diseases.  
ANSWER: **Ayurveda** [or **Ayurvedic** medicine]  
[10] The use of mineral treatments in Ayurveda is closely related to *rasa shastra*, an example of this kind of proto-scientific tradition. In Europe, many practitioners of this discipline tried to turn base metals into gold.  
ANSWER: **alchemy**  
[10] This name is given to a system of traditional medicine originating in Tamil Nadu. This Sanskrit-derived term is more widely used in Indian religions to describe people who have achieved special powers from spiritual perfection, and in Jainism to describe liberated souls.  
ANSWER: ***siddha****s* [or **Siddha** medicine]  
*<RMP Non-Christian/Bible Religion - Kothari>*

21. Answer the following about countries prominent in the nut trade. For 10 points each:  
[10] The cancellation of the Joint Comprehensive Plan of Action was a major shock to international pistachio markets, which largely function as a duopoly between the United States and this other country where they are grown in the province of Kerman.  
ANSWER: Islamic Republic of **Iran**  
[10] This country on the African mainland, where agriculture accounts for over half of GDP, exports almost exclusively cashew nuts. This country controls the Bijagos Archipelago and was one of two countries led by Amilcar Cabral.  
ANSWER: Republic of **Guinea-Bissau** [prompt on **Guinea**]  
[10] This non-Brazil country is, ironically, the world's largest producer of Brazil nuts. Its president, Evo Morales, who rules from its two capitals of Sucre and La Paz, is an advocate of its coca farmers.  
ANSWER: Plurinational State of **Bolivia**  
*<Geography World - Myers>*