**2018 National All-Star Academic Tournament**

**Round 1 – Tossups**

1. A character in this play tells another character that he represents the shells of the eggs that he is beating and complains about the dearth of good French comedies. A character in this play insists that a small mahogany table is found to replicate the room of a woman who is accused of using “robes et manteaux” (ROBE ay mon-TOH) to lure good girls into her atelier (ATTLE-yay). At the end of this play, a boy commits suicide with a revolver while his sibling drowns in a fountain, prompting a confused man to muse that he has wasted a day regardless. At the start of this play, the Director of a version of *The Rules of the Game* is interrupted by characters including the father and the mother. For 10 points, name this play in which several characters struggle to piece together their story, which is by Luigi Pirandello.   
ANSWER: ***Six Characters in Search of an Author*** [or ***Sei personaggi in cerca d’autore***]  
*<The above question is for the category Literature European and was written by Daoud Jackson>*

2. South African philosopher Grant Farred (FAIR-id) wrote that this thinker surprisingly resonated with his struggle against racism in his book on how this man “Saved My Life.” This man contended that theology is a positive science about faith-worlds, whereas philosophy is critical. A late lecture by this thinker originated the dictum “language speaks,” and he wrote an essay that examines Van Gogh’s “Peasant Shoes.” This thinker’s magnum opus begins with a discourse on the “forgetting of Being” in Western thought. For 10 points, name this philosopher who wrote “The Origin of the Work of Art” and *Being and Time*, a Nazi who was revealed to be an unapologetic antisemite in his *Black Notebooks*.  
ANSWER: Martin **Heidegger** [or *Martin* ***Heidegger*** *Saved My Life*]  
*<The above question is for the category RMP Philosophy and was written by John Marvin>*

3. Suppliers of this good can take advantage of the Ellis Act, which circumvents some restrictions on removing this good. This good was the subject of Proposition F and Proposition I, also known as the “Mission Moratorium,” two failed ballot propositions that regulated the provision of this good. A plan to provide this good in Mountain View was forbidden by the city council in order to protect burrowing owls. Restrictions on the supply of this good include “sunset” laws that regulate the casting of shadows and a 40-foot maximum height law that was partially modified by Proposition D in 2015. Approximately 60,000 people per year leave the San Francisco area due to the high cost of this good. For 10 points, name this good whose namesake “crisis” is causing high rents throughout California.  
ANSWER: **housing** [or **house**s; or **home**s; or **apartment**s; or **residence**s; or affordable **housing**]  
*<The above question is for the category Current Events US and was written by Penelope Ashe>*

4. The flux of this compound into the atmosphere is described by the Penman–Monteith equation, which is modified by the Priestley–Taylor equation to be a function of only solar irradiance. The relationship between the partial pressure of this compound and temperature is described by the psychrometric (SIKE-ro-MEH-trick) constant. The phreatic (free-AT-ick) zone has high levels of this compound, whose movement in the vadose zone is described by the Richards equation, which modifies Darcy’s law. It’s not carbon dioxide, but this compound is the most abundant greenhouse gas. Saturation excess and infiltration excess can result in overland runoff of this compound, which enters the atmosphere through evapotranspiration. For 10 points, name this compound that is deposited as rain.  
ANSWER: **water** [or **water** vapor; or **steam**; or **H2O**]  
*<The above question is for the category Science Earth Science and was written by Shan Kothari>*

5. Until 1819, many of these places used Thomas Eddy’s practice of awarding people a small sum of money called the “overstint.” A revolutionary one of these places in Philadelphia opened in 1829, used the “separate system” of operation, and had a single glass skylight that represented the “eye of God.” The “Auburn system” of organizing these places emphasized complete silence and forced people to walk in lockstep without looking at each other, while the “Pennsylvania system” encouraged solitary living among occupants. In antebellum America, these places increasingly began to be known by a form of the word “penitent.” For 10 points, name these locations, which include New York’s Sing Sing.  
ANSWER: **prison**s [or **jail**s; or **penitentiaries** until “penitent” is read; do not accept “workhouses” or “asylums”]  
*<The above question is for the category History American (pre-1865) and was written by Mike Cheyne>*

6. After first having a career as a poet in France, an artist who worked in this country put sand in her paint and used the sgraffito (skrah-FEE-toh) technique to create hazy depictions of *l’Eclisse* (lay-KLEESE) and *The Inner City*; that artist was Alice Rahon (ra-HONE). An artist who worked in this country painted *Ulu’s Pants*, *The Meal of Lord Candlestick*, and a portrait of her onetime lover Max Ernst, and fled to this country after a breakdown that she narrated in her novel *Down Below*. Those artists, Remedios Varo and Leonora Carrington, began a relationship while living in its capital. An artist born in this country created the self-portraits *What the Water Gave Me* and one *with Thorn Necklace and Hummingbird*. For 10 points, name this country of many expatriate surrealist painters, which is where Frida Kahlo was born.  
ANSWER: **Mexico** [or the **United Mexican States**; or **Estados Unidos Mexicanos**]  
*<The above question is for the category Arts Painting and was written by John Marvin>*

7. This language was spoken by the powerful medieval merchant guild known as the Ainnurruvar (eye-NOO-ruh-var). Speakers of this language ruled a dynasty that used Colandia ships and constructed social classes based on who had to pay a land tax called “iraikudigal” (EE-rye-KOO-dig-all). A king of a dynasty that spoke this language commissioned the Brihadisvara Temple and won the Kandalur War. This language was spoken by the dynasty of Rajaraja I. The Chera, Pandya, and Chola dynasties were ruled by speakers of this language. Some of its speakers participated in a later organization founded by Velupillai Prabhakaran (prob-HAH-kah-rahn) that assassinated Rajiv Gandhi. For 10 points, name this south Indian language spoken by an anti-Sinhalese terrorist group in Sri Lanka, its namesake “tigers.”  
ANSWER: **Tamil** (TAM-ill or TUM-url) [accept Old **Tamil** or Middle **Tamil**; accept **Tamil** Tigers]  
*<The above question is for the category History World and was written by Penelope Ashe>*

8. An altar to Apollo is set up to protect this object at the tomb of Sthenelus. While in Syrtes, three nymphs tell a hero to carry this thing until they reach the garden of the Hesperides. Athena and Hera discuss strategy while this object is hidden in the Phasis, and this thing is chased by Aspyrtus to the Brigean Islands. Diodorus described how this thing was created on Mount Pelion. This was the only object to successfully pass through the *Planctae*. Ovid says that part of this object was able to speak because it was taken from the wood of the shrine at Dodona. In a poem by Gaius Valerius Flaccus, it is said that there was nobody to look out for lights along the coastline before this thing was created. This craft’s most famous journey was from Iolcos to Colchis. For 10 points, name this ship that carried Jason and his companions on the quest for the Golden Fleece.  
ANSWER: the **Argo**  
*<The above question is for the category RMP Greek/Roman Myth and was written by Daoud Jackson>*

9. A medication that blocks movement of this ion is used to prevent a vasospasm after subarachnoid hemorrhage. High levels of this ion can cause the appearance of a J wave on an ECG, which is normally associated with hypothermia. A class of medications that block the movement of this ion are divided into dihydropyridine and non-dihydropyridine types, and includes both amlodipine (am-LOAD-ih-peen) and nifedipine (nih-FED-ih-peen); those drugs block movement of this ion through L-, T-, or P/Q-type channels. The mnemonic “moans, groans, and stones” describes a condition in which this ion is elevated due to overproduction of parathyroid hormone. Activated vitamin D promotes GI absorption of this ion. For 10 points, name this ion that is stored in bones.  
ANSWER: **calcium** [or **Ca**; or **Ca**++]  
*<The above question is for the category Science Biology and was written by Fred Morlan>*

10. This poem describes “the hour when Lips that would kiss / Form prayers to broken stone,” and says that those “stone images receive / The supplication of a dead man’s hand / Under the twinkle of a fading star.” This poem says “The eyes reappear / As the perpetual star / Multifoliate star / Of death’s twilight kingdom.” One of this poem’s epigraphs references Guy Fawkes and says “A penny for the Old Guy,” and the other epigraph quotes from *Heart of Darkness*. A nursery-rhyme-like section of this poem says “Here we go round the prickly pear,” and its last section alternates between “For Thine is the Kingdom” and “Life is very long.” For 10 points, name this poem by T. S. Eliot whose last lines read “This is the way the world ends / Not with a bang but with a whimper.”  
ANSWER: “The **Hollow Men**”  
*<The above question is for the category Literature British Non-Shakespeare and was written by John Marvin>*

11. When Orthodox priests do this action for another person, they use the same IC-XC position as the one found in the Pantokrator icon. Tertullian wrote that “we wear out our foreheads” by performing an early variant of this practice, which may have survived as the motion done in the Catholic Mass before the gospel reading. It’s not bowing, but Old Believers objected to Patriarch Nikon’s changes to this practice, and performed it the old way as a protest when they were arrested. Most Eastern Christian traditions do this with two fingers touching the thumb, moving from right to left, while Western traditions do it from left to right with an open palm. For 10 points, name this ritual blessing in which you trace out the shape of the implement of Christ’s execution on your body, sometimes after dipping the hand in holy water.  
ANSWER: the **Sign of the Cross** [or **Signum Crucis**; accept “**crossing yourself**”]  
*<The above question is for the category RMP Christian/Bible Religion and was written by John Marvin>*

12. George Odom showed how to obtain this number using an inscribed equilateral triangle by drawing a chord between the midpoints of two of its sides and extending it to meet the circle. When this number is used as a numerical base, every integer terminates, but every fraction is non-terminating; in that base, the digit sequence 11 (one-one) is avoided because it equals 100 (one-zero-zero). This number can be called “the most irrational” because each level of its continued fraction has the same largest magnitude of difference; in other words, its continued fraction has only ones in its denominators. Based on that, this number can be found algebraically by solving the equation “*x* equals one over the term one plus *x*.” By definition, the square of this number equals one plus itself. For 10 points, give this constant, the limit of the ratio of consecutive Fibonacci numbers, which names a spiral.  
ANSWER: the **golden ratio** [or **phi**; or **one plus root five** all **over 2**; or the **golden mean**; or the **golden section**; or the **divine proportion**; or the **golden number**; accept the **golden spiral**]  
*<The above question is for the category Science Math and was written by John Marvin>*

13. This composer wrote the words “actual notes” above the following melody of half- and quarter-note triplets: (read slowly) long B-flat, low C-sharp, low E, long high E-flat, C. A *ppp* (triple piano) string chorale slowly shifts between widely spaced, non-dominant, diatonic chords to form the static background of a piece by this composer. This composer’s *Two Contemplations* initially paired that piece with one that calls for a grand piano *and* a player piano, and contrasts eerie strings with ragtime music. In a short piece by this composer, seven repetitions of an atonal trumpet melody are interspersed with increasingly frenetic woodwind quartet phrases. A long wooden plank in used in his piano sonata that quotes Beethoven’s 5th in all four movements, including “Hawthorne” and “The Alcotts.” For 10 points, name this composer of *The Unanswered Question*, *Central Park in the Dark*, and *The Concord Sonata*.  
ANSWER: Charles **Ives**  
*<The above question is for the category Arts Music and was written by John Marvin>*

14. Thomas Munson was credited with helping to save this industry in France. John XXII erected a castle whose name refers to a product of this industry that developed during the Avignon Papacy. François Clicquot’s (klee-KOH’s) widow developed the riddling technique used in part of this industry. Napoleon’s Minister of the Interior Jean-Antoine Chaptal recommended the use of sugar instead of lead acetate in this industry. This industry was severely damaged by the introduction of the *phylloxera* (fill-OX-uh-ruh) insect from the United States, which prompted the grafting of many plants onto resistant rootstock. For 10 points, name this industry that traditionally has centers in Burgundy, Bordeaux, and Champagne.   
ANSWER: **wine** production [or **wine**making; or **winery**; or **vineyard**s; or **viticulture**; prompt on grapes]  
*<The above question is for the category History European 1400-1914 and was written by Daoud Jackson>*

15. A critic from this country identified its greatest narrative poem as *Brébeuf* (bray-BUF) *and his Brethren* by E. J. Pratt. That critic from this country wrote that its early literature is distinguished by the need to build a bulwark against the world and the imagination, which he called a “garrison mentality.” Another critic wrote that the central character of this nation’s literature is the victim, and she outlined four “Victim Positions” in her book *Survival*. *The Bush Garden* is by a critic from this country, Northrop Frye. In a novel from this country, the protagonist sees her friend Moira at a brothel called Jezebel’s, and women’s ranks are designated by the color of their clothes. The Commander plays Scrabble with Offred in that novel from here, *The Handmaid’s Tale*. For 10 points, name this home of Margaret Atwood.  
ANSWER: **Canada**  
*<The above question is for the category Literature American and was written by Shan Kothari>*

16. In a church in this state in the 1890s, Charles Sheldon preached a sermon that first popularized the question “what would Jesus do?” Legendarily, John Wesley Hardin shot a man in this state just for snoring. This state was where temperance crusader Carrie Nation first began her violent destruction of saloons. It was the primary destination of Exodusters, or African-Americans who migrated westward from the South after the Civil War. While mocking Populism, a local *Emporia Gazette* article asked the question “what’s the matter with” this state in 1896. The northern end of the Chisholm (CHIZZ-um) Trail, which brought Texas cattle north, was always in this state. For 10 points, name this state, the home of a large stockyard at Abilene (AB-uh-leen).  
ANSWER: **Kansas** [accept “What’s the Matter With **Kansas**?”]  
*<The above question is for the category History American (1865-1945) and was written by Mike Cheyne>*

17. This phenomenon can cause “quartz wind” when it occurs in air in an attenuation effect also known as Eckart streaming. Actuators based on this phenomenon have been proposed for manipulating highly pure compounds without contamination. The SOFAR channel can be used to increase the range of this phenomenon. This phenomenon can be used to efficiently mix non-homogeneous suspensions and accelerate chemical reactions by initiating a type of non-inertial cavitation. The speed of propagation of this phenomenon is given as the square root of the bulk modulus over density by the Newton–Laplace equation, and the Prandtl–Glauert singularity arises due to the assumption of linearity at that speed. This phenomenon is studied in acoustics, and it is used to detect objects in SONAR. For 10 points, name this phenomenon whose speed defines Mach 1.  
ANSWER: **sound** [or **ultrasound**; or **infrasound**; or **sound** waves; accept speed of **sound**]  
*<The above question is for the category Science Physics and was written by Ewan MacAulay>*

18. In the last act of this play, one of its characters appears clean-shaven and well-dressed for the first time, but can’t choke out any coherent words. A character in this play is repeatedly surprised that people know what the fried bread she made is, and serves up cornflakes for breakfast until she runs out. In an interrogation in this play, another character is asked “is the number 846 necessary or possible?” and answers “both!” A character “knows” that she was the “belle of the ball” at the title event of this play, which Petey skipped to play chess, but which Goldberg and McCann were glad to attend. For 10 points, name this play in which Meg gives Stanley Webber a drum before the title celebration, by Harold Pinter.  
ANSWER: *The* ***Birthday Party***  
*<The above question is for the category Literature British Non-Shakespeare and was written by John Marvin>*

19. A media studies theory named in part for this response includes the notion that the four uses of media are diversion, personal relationships, personal identity, and surveillance; that theory is named for “uses” and this reaction. In fMRI studies of the ability to control this reaction by B. J. Casey, images of happy, neutral, and afraid faces were displayed; Casey revealed that the ability to control this emotion is tied to activation of the anterior prefrontal cortex, as opposed to the ventral striatum. A study of this response performed at the Bing Nursery School found that it was significantly correlated to life outcomes; in that study, Ebbe Ebbesen and Walter Mischel (VALL-tuh MISH-ull) offered a choice between one marshmallow now or two marshmallows later. For 10 points, name this sensation of fulfillment that is “delayed” by individuals with more self-control.  
ANSWER: **gratification** [or delayed **gratification**; or uses and **gratification**s theory; do not accept “self-control”]  
*<The above question is for the category Social Science Psychology and was written by Penelope Ashe>*

20. The castrati Senesino and Gaetano Berenstadt premiered roles by this composer in an opera in which a natural horn opens the aria “Va tacito e nascosto” (vah TAH-chee-toh ay noss-COAST-oh). This composer included the aria “Se bramate” (SEH brah-MAH-tay) in an opera that puzzled listeners because it included many short ariosos rather than three-part da capo arias. Tolomeo’s sister Cleopatra plots to depose him and become the sole ruler of Egypt in one of his operas. In one of his operas, the Saracen king Argante falls in love with the captive Almirena, who sings “Lascia ch’io pianga” (LAH-shah KEE-oh p’YAHN-gah). A comically over-earnest largo aria sung to a plane tree opens this composer’s opera *Serse* (SEHR-say); that aria is “Ombra mai fu.” *Rinaldo* and *Giulio Cesare* (JOOL-yo CHEZ-ah-ray) were operas by, for 10 points, what German-born Baroque composer of “The Harmonious Blacksmith” and *The Messiah*?  
ANSWER: George Frideric **Handel** [or Georg Friedrich **Händel**]  
*<The above question is for the category Arts Opera and was written by Shan Kothari>*

Extra. The life of a poet from this city is depicted with paper-cut puppets in *No Blue Memories*; that play is by two other poets from this city, Nate Marshall and Eve Ewing. A poet from this city wondered whether a dream could “sing an aria down these rooms” in a poem that ends “We think of lukewarm water, hope to get in it.” Another poet depicted this city “with lifted head singing so proud to be alive” in a section that begins, “They tell me you are wicked and I believe them.” This city’s Bronzeville neighborhood is the setting of *Annie Allen* by Gwendolyn Brooks. The first poem from a collection about this city describes it as a “Player with Railroads and the Nation’s Freight Handler.” For 10 points, name this city described as “Hog Butcher of the World” and “City of the Big Shoulders” by Carl Sandburg.  
ANSWER: **Chicago**, Illinois  
*<The above question is for the category Literature American and was written by Shan Kothari>*

**2018 National All-Star Academic Tournament**

**Round 1 – Bonuses**

1. After its independence, Abubakar Balewa became its first prime minister. For 10 points each:  
[10] Name this country whose first republic ended when Balewa was overthrown by a 1966 coup d’état.  
ANSWER: **Nigeria**  
[10] In 1967, the eastern portion of Nigeria declared independence as this abortive state. The creation of this state lead to the Nigerian Civil War.  
ANSWER: Republic of **Biafra**  
[10] The end of the Nigerian Civil War was marked by a speech given by Yakubu Gowon that included this four-word phrase offering reconciliation.  
ANSWER: “**no victor, no vanquished**”  
*<The above question is for the category History World and was written by Fred Morlan>*

2. This artist’s *Vision of Ezekiel* shows an orgiastic flurry of geometric humans tangled in faded pink, with darker-toned figures around the central crowd. For 10 points each:  
[10] Name this British Vorticist artist, whose painting *The Mud Bath* shows blue-and-white angular figures on a pink trapezoidal background with a brown central stripe.  
ANSWER: David **Bomberg**  
[10] This New York artist’s work features brightly-colored, rounded stick figures, usually with motion lines, as in his Radiant Baby motif. His artistic activism includes the mural *Crack is Wack*, and his iconic *Best Buddies* which shows two of his stick figures with arms over each other’s shoulders.  
ANSWER: Keith **Haring**  
[10] Much of Haring’s work was trying to raise awareness of this disease, which took his life in 1990. The artistic collective Gran Fury created a poster with a pink triangle that says “Silence=Death” as part of a campaign during this disease’s crisis in the 1980s.  
ANSWER: **AIDS** [or **Acquired Immune Deficiency Syndrome**; or HIV/**AIDS**; prompt on HIV; prompt on Human Immunodeficiency Virus]  
*<The above question is for the category Arts Painting and was written by John Marvin>*

3. A prophet disputes those that say “the time has not yet come to rebuild” this place in the first chapter of his namesake book. For 10 points each:  
[10] Name this edifice central to the disputes of the minor prophets. When construction started on this building and the glory of the Lord did not return, that prophet doubled down and said that it will surely come “from this day on.”  
ANSWER: **Second Temple** of Jerusalem [prompt on the Temple of Jerusalem; or **Beit Ha-mikdash Ha-sheni**]  
[10] Those quotations come from this minor prophet, who demanded the reconstruction of the Temple as a first priority along with Zechariah. Commenting on the Israelites’ prioritizing their own needs, he asked “Is it a time to live in paneled houses, while this house lies in ruins?”  
ANSWER: **Haggai**  
[10] Haggai said that this man was like the Lord’s “signet ring” after he laid the foundations of the Second Temple. He led the first group that returned from the exile and later became governor of the Persian province controlling Judea.  
ANSWER: **Zerubbabel** [or **Zorobabel**; or **Zrubavel**]  
*<The above question is for the category RMP Christian/Bible Religion and was written by John Marvin>*

4. When one of these objects was dropped from a canoe, the islanders agreed that it could still be used, since it was certainly still down there on the ocean floor. For 10 points each:  
[10] Name these stone discs used as currency on the island of Yap. Since they are huge, they are generally left in one spot and traded through ownership rather than physical possession.  
ANSWER: **rai** stones  
[10] Yap is located north of New Guinea, where this anthropologist did most of his research. This early anthropologist wrote *Argonauts of the Western Pacific*, one of the first books of social anthropology, based on research about the Trobriand Islands off the coast of New Guinea.  
ANSWER: Bronisław **Malinowski** (BROH-nee-swoff mah-lin-OFF-skee)  
[10] Malinowski examined this complex exchange system or gift economy, where Trobriand Islanders travel long distances to give necklaces to other groups.  
ANSWER: the **Kula ring** [or **Kula exchange**]  
*<The above question is for the category Social Science Anthropology and was written by John Marvin>*

5. This system is commonly solved using the transfer matrix method. For 10 points each:  
[10] Name this model of ferromagnetism. According to it, spins on a lattice can only interact with their nearest neighbors.  
ANSWER: **Ising** (EE-zing) model  
[10] The Ising model is the simplest statistical model that describes one of these phenomena, one of which occurs at the Curie temperature. Boiling and melting are examples of this phenomenon between different states of matter.  
ANSWER: **phase transition** [or **phase change**]  
[10] The first person to prove that the two-dimensional Ising model can undergo a phase transition was this physicist. He argued that the model can have two different net magnetizations at high and low temperature limits.  
ANSWER: Rudolf **Peierls** (PIE-earls)  
*<The above question is for the category Science Physics and was written by Paul Lee>*

6. This character asks “Have you found any places where God would have felt at home?” after someone says “we are living in a place abandoned by God.” For 10 points each:  
[10] Name this character who gathers a peculiar herb and eats it in “moments of great tension.”  
ANSWER: **William of Baskerville** [prompt on William]  
[10] William of Baskerville appears in this novel. At the end, Jorge kills himself by burning down the library.  
ANSWER: *The* ***Name of the Rose*** [or *Il* ***nome della rosa***]  
[10] *The Name of the Rose* was written by this Italian novelist and critic. He wrote *Foucault’s Pendulum*.  
ANSWER: Umberto **Eco**  
*<The above question is for the category Literature European and was written by John Marvin>*

7. Two collectins that contribute to this substance’s immune function are SP-A and SP-D. For 10 points each:  
[10] Name this lipopeptide that prevents the collapse of the lungs.  
ANSWER: pulmonary **surfactant**  
[10] Surfactant is responsible for decreasing surface tension and increasing this parameter of the lung, which is the volume change per unit of pressure change.  
ANSWER: **compliance**  
[10] Surfactant also prevents this phenomenon at the end of expiration. This word refers to collapse of the alveoli.   
ANSWER: **atelectasis** (AT-uh-LECT-uh-siss)  
*<The above question is for the category Science Biology and was written by Eric Mukherjee>*

8. After leaving the Jaguar house and a house of fire, the Hero Twins enter a house of these animals. For 10 points each:  
[10] Identify these animals that the K’iche’ (KEE-chay) called “zotz.” When Hunahpu sticks his head out of a blowpipe to check whether it is dawn, he is beheaded by a god of these animals, Camazotz.  
ANSWER: **bat**s  
[10] Having been beheaded by Camazotz, Hunahpu’s head is used in this sporting activity, which in practice tended to use a rubber object.  
ANSWER: Mesoamerican **ballgame** [or Mayan **ballgame**; or **pok-ta-pok**; or **ōllamaliztli**; or **tlachtli**; or **juego de pelota**]  
[10] After animals are summoned to bring food after the beheading of Hunahpu, this animal takes the place of his head.  
ANSWER: **turtle** [or **tortoise**]  
*<The above question is for the category RMP Non-Greek/Roman Myth and was written by Daoud Jackson>*

9. This man advocated the motto “reformarse es vivir” (reh-for-MAR-say ess vee-VEER), or “to reform oneself is to live.” For 10 points each:  
[10] Name this nonfiction author of *The Gallery of Prospero* and the pan-Latin-American idealist essay “Ariel.”  
ANSWER: José Enrique **Rodó**  
[10] Rodó, like the author of *History of a Troubled Life*, Horacio Quiroga (oh-RAHSS-yo kee-ROH-gah), was from this South American country.  
ANSWER: **Uruguay** [Oriental Republic of **Uruguay**; or República Oriental del **Uruguay**]  
[10] Quiroga wrote a collection titled for *Stories of Love, Madness, and* this phenomenon. In an Ariel Dorfman play titled for this thing “and the maiden,” Paulina Salas tries to get Dr. Miranda to confess to rape.  
ANSWER: **death**  
*<The above question is for the category Literature World and was written by Penelope Ashe>*

10. This man interviewed the neighbors of the subject of one his biographies, who told him stories about how he had cut down a cherry tree as a child. For 10 points each:  
[10] Name this first biographer of George Washington.  
ANSWER: Parson **Weems**  
[10] This constitutional scholar and president of Princeton University wrote an 1896 biography of George Washington that critiqued some of the claims made by Parson Weems.  
ANSWER: Woodrow **Wilson**  
[10] This American historian won a Pulitzer Prize for his *Washington: A Life*. His biography of Alexander Hamilton was used by Lin-Manuel Miranda as a source for *Hamilton*, on which he is credited as a production assistant.  
ANSWER: Ron **Chernow**  
*<The above question is for the category History American (pre-1865) and was written by Daoud Jackson>*

11. In this short story, Mel McGinnis talks about an elderly couple that was injured in a car accident. For 10 points each:  
[10] Name this short story by Raymond Carver. In Mel’s story, the elderly man is upset because he can’t see his wife through the eye holes of his bandages.  
ANSWER: “**What We Talk About When We Talk About Love**”  
[10] The phrase “What We Talk About When We Talk About” has become a meme of sorts in literature; Nathan Englander was a finalist for the Pulitzer Prize for Fiction for his short story collection *What We Talk About When We Talk About* this person.  
ANSWER: Anne **Frank**  
[10] “What We Talk About When We Talk About Anne Frank” was originally published in this magazine. John Hersey’s *Hiroshima* was first published in this magazine.  
ANSWER: *The* ***New Yorker***  
*<The above question is for the category Literature American and was written by Fred Morlan>*

12. Geza Anda’s recording of this movement was used in the film *Elvira Madigan*. For 10 points each:  
[10] Identify this F major movement from a certain C major concerto by Mozart. Please specify both the concerto and the number of the movement.  
ANSWER: **second** movement of Mozart’s **Piano** Concerto No. **21** in C major [accept **Andante** or **slow** movement or **central** movement in place of “second movement”]  
[10] This movement from a certain Brahms concerto in D major is often performed with the cadenza by Joseph Joachim (YO-zef YO-ah-kim) that was used at the premiere.  
ANSWER: **first** movement of Brahms’s **Violin** Concerto in D major  
[10] The first movement of this man’s Piano Concerto No. 1 in B-flat minor opens with four horns playing “F, D-flat, C, B-flat” and the piano’s huge entrance of three ascending D-flat major block chords. This composer wrote *Marche Slave* (marsh slahv) and the *Pathétique* symphony.  
ANSWER: Pyotr Ilyich **Tchaikovsky**  
*<The above question is for the category Arts Music and was written by Penelope Ashe>*

13. Answer the following about Grignard (green-YARR) reagents, for 10 points each:  
[10] Grignard reagents are formed by reacting halides with this metal.  
ANSWER: **magnesium** [or **Mg**]  
[10] This compound, whose formula is C4H8O, is one of the solvents used in that reaction.  
ANSWER: **THF** [or **tetrahydrofuran**]  
[10] The production of fluorine-containing Grignard reagents requires metal powders named for this scientist.  
ANSWER: Reuben **Rieke**  
*<The above question is for the category Science Chemistry and was written by Fred Morlan>*

14. A member of this group, Aristoteles (uh-riss-TOH-tell-eez), is an interlocutor in the *Parmenides*. For 10 points each:  
[10] Name these oligarchs who were installed as rulers of Athens after Sparta won the Peloponnesian War. They were overthrown after eight months by Thrasybulus, who restored democracy to the city.  
ANSWER: **Thirty Tyrants**   
[10] This leader of the Thirty Tyrants executed his fellow tyrant Theramenes (thair-uh-MEE-neez) for protesting the mass executions. This relative of Plato lends his name to a dialogue about Atlantis that follows the *Timaeus*.  
ANSWER: **Critias** [do not accept or prompt on “Crito”]  
[10] At one time, Critias was a student of this philosopher, who disobeyed an order by the Thirty to turn over Leon of Salamis for execution. This teacher of Plato was later executed himself for corrupting the youth of Athens.  
ANSWER: **Socrates**  
*<The above question is for the category History European to 1400 and was written by Nitin Rao>*

15. Solving the matrix equation “pi times the matrix *P* equals the matrix *P*” gives rise to the “invariant” one of these constructs for a Markov chain. For 10 points each:  
[10] A Markov chain can be characterized by a transition matrix and the initial one of these constructs for the first state. General examples of these things include the binomial and Poisson (pwah-SAWN) types.   
ANSWER: **distribution**s [or probability **distribution**s; statistical **distribution**s]  
[10] If a Markov chain has this property, then given any starting state, the chain will eventually return to it. The random walks on the integers *Z* and on the lattice *Z*-squared have this property, but the random walk on *Z*-cubed has the opposite of this property, which is called transience.  
ANSWER: **recurrent** [or **recurrence**; accept **recurring** or **recursion**]  
[10] Those results for random walks in *Z*-to-the-*n* can be proven using this approximation for the factorial function. This approximation, named for a Scottish mathematician, says that the log of *n*-factorial is *n*-log-*n* minus *n*.  
ANSWER: **Stirling**’s formula [or **Stirling**’s approximation]  
*<The above question is for the category Science Math and was written by Joseph Krol>*

16. Answer the following about the life and work of philosopher Janet Radcliffe Richards, for 10 points each.  
[10] In bioethics, Radcliffe Richards defended this practice against accusations that it results from “coercion by poverty” and argued that banning it, as most countries do, produces black markets. Nancy Scheper-Hughes leads an organization against this practice.  
ANSWER: **trade** in human **organ**s [accept answers referring to **sell**ing or **buy**ing **organ**s; accept answers containing the names of particular organs]  
[10] Radcliffe Richards first made her reputation with a book written as part of this movement, but from a “skeptical” perspective. Simone de Beauvoir’s *The Second Sex* was a touchstone for the second wave of this movement.  
ANSWER: **feminism**  
[10] This longtime partner of Radcliffe Richards imagined being very gradually turned into Greta Garbo to argue for a reductive account of personal identity in *Reasons and Persons*.  
ANSWER: Derek **Parfit** [Derek Antony **Parfit**]  
*<The above question is for the category RMP Philosophy and was written by Shan Kothari>*

17. This character pretends to be the father of a dying girl after a shipwreck in order to calm her in her last moments. For 10 points each:  
[10] Name this British military officer, a devout Catholic who commits suicide rather than renounce his affair with Helen. His wife Louise is told that nobody can know a man’s heart or God’s mercy when she tries to rationalize this man’s death.  
ANSWER: Major Henry **Scobie**  
[10] Major Scobie is the main character of this novel, in which he searches ships such as the Portuguese *Esperança* for smuggled diamonds and deals with the black market trader Yusef.  
ANSWER: *The* ***Heart of the Matter***  
[10] *The Heart of the Matter* was written by this English author who wrote *The End of the Affair* and *The Power and the Glory*.  
ANSWER: Graham **Greene** [Henry Graham **Greene**]  
*<The above question is for the category Literature British Non-Shakespeare and was written by John Marvin>*

18. The Seybert Commission of 1887, a group emanating from the University of Pennsylvania, denounced these people. For 10 points each:  
[10] Name these people such as Cora L. V. Scott and the Fox Sisters, the latter of whom claimed to use the “rapping” technique. These people were especially popular in the age of antebellum reform, frequently among radical Quakers.  
ANSWER: **spiritualist**s [or **medium**s]  
[10] Much early interest in spiritualism began in this state. A “burned-over district” in this state was where many religious ideas, such as those of the Millerites, began.  
ANSWER: **New York**  
[10] This president’s wife, Mary Todd, was especially interested in spiritualism and conducted séances (SAY-on-sizz) in the White House during wartime.  
ANSWER: Abraham **Lincoln**  
*<The above question is for the category History American (pre-1865) and was written by Mike Cheyne>*

19. This character’s performance in the opera *Salammbô* is panned. For 10 points each:  
[10] Name this character whose husband finishes writing a review of her performance in the *New York Inquirer*.  
ANSWER: **Susan** Alexander Kane [or Susan **Alexander**; prompt on Kane]  
[10] Susan’s husband, Charles Foster Kane, is portrayed in *Cit izen Kane* by this actor who also directed the film.  
ANSWER: George Orson **Welles**  
[10] When Charles Foster Kane dies, this object falls out of his hand; along with the sled Rosebud, it represents Kane’s lost past life.  
ANSWER: **snow globe** [or **snow dome**]  
*<The above question is for the category Arts Film and was written by Fred Morlan>*

20. In 2012, Google Earth confirmed that the largest island in a lake in an island in a lake in an island, or third-order island, was actually deep within Victoria Island in Arctic Canada, and not in this place. For 10 points each:  
[10] Name this largest island in the Philippines. It contains Taal Lake, which contains a volcanic island, which contains a crater lake, which contains the small island of Vulcan Point, previously thought to be the largest third-order island.  
ANSWER: **Luzon**  
[10] The largest second-order island is Treasure Island in Lake Mindemoya, which is on this largest lake island, a Canadian possession in Lake Huron.  
ANSWER: **Manitoulin** Island  
[10] This largest first-order island is located not in a lake, but in the North Atlantic and Arctic Oceans. It is a constituent country within the Kingdom of Denmark.  
ANSWER: **Greenland** [or **Kalaallit Nunaat**; or **Grønland**]  
*<The above question is for the category Geography World and was written by John Marvin>*

Extra. This man pioneered “underway fuel replenishment” for the US Navy as Chief Engineer of the *USS Maumee* during World War I. For 10 points each:  
[10] Name this fleet admiral who commanded the Pacific Fleet during World War II. He names a class of nuclear-powered US aircraft carriers.  
ANSWER: Chester William **Nimitz**, Sr. [accept **Nimitz**-class aircraft carriers]  
[10] This admiral commanded the Third Fleet and was twice court-martialed for sailing into a typhoon. He won the Battle of Leyte Gulf, though he was criticized for leaving San Bernardino Strait unguarded.  
ANSWER: William Frederick “Bull” **Halsey**, Jr. [or “Bill” **Halsey**]  
[10] This admiral led the Third Fleet’s Fast Carrier Task Force at Leyte Gulf and served as Chief of Staff to Halsey. His son served as Commander-in-Chief of Pacific forces during the Vietnam War, and his grandson spent five years in the “Hanoi Hilton” after being shot down.  
ANSWER: John Sidney **McCain**, Sr.  
*<The above question is for the category History American (1865-1945) and was written by Nitin Rao>*