

Early Fall Tournament 2018: I guess Brexit really does mean Brexit

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Tossups

1. When this man is ordered to be executed by getting catapulted into a fire, he survives due to Allah's protection from the flames. This man, often referred to by Muslims as the "Friend of Allah," is the alleged author of a set of scrolls referenced in the Quran that serve as a missing portion of Islamic scripture. During a holiday commemorating an action performed by this man, an animal sacrifice is divided into (*) thirds, a portion of which is given to the poor. An event in which this man resisted the temptations of Iblis is recreated on the hajj with the Stoning of the Devil. The holiday of Eid al-Adha is celebrated in honor of an action performed by this man. For 10 points, name this Islamic prophet who, unlike in Old Testament accounts, is ordered to sacrifice his son Ishmael instead of Isaac.

ANSWER: **Ibrahim** [or **Abraham**]

<DM, Religion>

2. The Anyanya was a separatist army that rebelled against this country. One leader of this country espoused socialist and pan-Arab policies throughout the 1970s, but later turned to Islamism and imposed Sharia law in this country in 1983. That leader, Gaafar Nimeiry, was overthrown in 1985 shortly after he violated the Addis Ababa Agreement by renewing this country's civil war with the largely Christian population in its south. In this country, SPLA leader (*) John Garang was named First Vice President shortly before his death in a helicopter crash. In the 2000s, the Janjaweed militia committed atrocities in this country's Darfur province. For 10 points, name this African country led since 1989 by Omar al-Bashir which split from its southern part in 2011.

ANSWER: **Sudan** [do not accept or prompt on "South Sudan"]

<TR, World History>

3. This quantity is found in the denominator of the linear term of the Ramberg–Osgood equation. The curvature of a bimetallic strip depends on the coefficient of thermal expansion, thickness, and this quantity for both metals. This quantity is always greater than or equal to its "tangent" and "secant" analogues, with all three being equal below the "proportional limit." The product of moment of inertia with this quantity is a constant in the Euler–Bernoulli equation. This quantity has units of (*) pressure and can be measured by taking the slope of a graph whose non-linear region contains the points where yielding, necking, or fracture can occur. The ratio of axial stress to axial strain in a linear elastic material is the definition of—for 10 points—what quantity sometimes named for a British physicist?

ANSWER: **Young's modulus** [or **elastic modulus** or **modulus of elasticity**]

<BB, Physics>

4. A late-career series by this photographer captured the work of *Public Defenders* in California. This photographer retouched one work in order to remove the subject's thumb from the lower-right corner. This photographer collaborated with Pirkle Jones to document the deliberate destruction of Monticello in *Death of a Valley*. In one of this artist's photographs, a man in a beat-up hat looks away from a crowd while clasping his hands. Unlike (*) Ansel Adams, this photographer was able to document early and late stages of internment at Manzanar. While working for the FSA, this artist of *The White Angel Breadline* photographed two children sheltering behind Florence Owens Thompson. For 10 points, name this woman who took the photograph *Migrant Mother*.

ANSWER: Dorothea Lange

<JG, Other Arts – Photography>

5. In a novel based on this novel, three pennies and some dresses are stolen from the protagonist by her best friend Tia. A character who originally appeared in this novel is called “béké and not béké” by the obeah-practicing Christophine, and that character from this novel titles Sandra Gilbert and Susan Gubar's landmark feminist study of Victorian literature. One character in this novel is re-imagined as Antoinette Cosway in (*) an anti-colonial response to this novel. The first sentence of this novel's last chapter states “Reader, I married him,” referring to a man whose insane first wife Bertha Mason burned down Thornfield Hall. Jean Rhys's *Wide Sargasso Sea* is based on this novel. For 10 points, name this novel where the title character marries Mr. Rochester, written by Charlotte Brontë.

ANSWER: Jane Eyre

<RR, Long Fiction>

6. These compounds are the typical analyte in triple-resonance NMR. Bicinchoninic (“bye-sin-con-NIN-ick”) acid assays estimate the total amount of these compounds in a solution. A chloromethylated polystyrene resin was developed for the synthesis of these compounds. These compounds can be purified by precipitating them with ammonium sulfate, a method called “salting out.” The 3D structures of these compounds are limited by allowed values of the phi, psi, and omega (*) dihedral angles of their substituent units; those dihedral angles are visualized on Ramachandran plots, which can be used to predict when these compounds contain alpha helices and beta sheets. These compounds contain characteristic sp²-hybridized amide linkages called peptide bonds. For 10 points, name these macromolecules formed from amino acids.

ANSWER: proteins [accept polypeptides before mention; prompt on polyamides before mention]

<Wang, Chemistry>

7. This philosopher partly titles a 1994 book in which the case of Phineas Gage is used to argue that emotions help guide decision-making. The neurologist Antonio Damasio introduced the somatic marker hypothesis in a book named for this author's “Error.” One of this philosopher's books distinguishes between the imagination and the intellect by using the example of a thousand-sided polygon, or chiliagon. This philosopher proposed that one's knowledge of the world can be “clear and (*) distinct” by using the example of a man using only his own senses to learn about a ball of wax. That book by him concludes by positing the dualist doctrine that the mind and body are distinct. For 10 points, name this French philosopher and author of *Meditations on First Philosophy* who once wrote “I think, therefore I am.”

ANSWER: René Descartes [accept Descartes' Error]

<IJ, Philosophy>

8. A cantata by this composer begins with an ascending D minor scale with a flatted fifth, followed by a veiled allusion to the opening of the *St. Matthew Passion*. This composer's piano students included his countrymen Fritz Reiner and Georg Solti. Each of the woodwinds and trumpets plays at a different interval in parallel motion with its counterpart in the second movement of one of this composer's pieces, which is framed by a snare drum solo. This composer wrote his last of 3 piano concertos and the suite (*) *Out of Doors* for his wife Ditta. This man wrote six books of piano pieces arranged by ascending difficulty in the 1920s and '30s. This early ethnomusicologist included songs from his research in works like *Romanian Folk Dances* and *Mikrokosmos*. For 10 points, name this Hungarian composer of a *Concerto for Orchestra*.

ANSWER: Béla (Viktor János) Bartók

<AWD, Music>

9. It has nothing to do with banks, but the namesake of this law also joined Henry Steagall in co-sponsoring the law that created the US Housing Authority. After the passage of this law, Robert LaFollette Jr. founded a committee that investigated groups like the Burns Agency. This law created an organization that was initially led by J. Warren Madden. An amendment to this act that banned "closed shops," the (*) Taft-Hartley Act, was passed over a veto by Harry Truman. The ability of a provision of this act to cover certain arbitration agreements was challenged in the recent Supreme Court case *Epic v. Lewis*. For 10 points, name this law that created a government agency that enforces laws involving collective bargaining and other union activities.

ANSWER: National Labor Relations Act [or NLRA; or the Wagner Act]

<DM, American History>

10. A poem by this author, which is unusually written in iambic trimeter, praises "that light ship," whose "swiftness" allows it to speed past any "floating timber." This author's longest work begins by describing the pine trees on Mount Pelion, and is an *epyllion*, or little epic, describing the abandonment of Ariadne, and the marriage of Peleus and Thetis. This man traveled to Bithynia to visit the grave of his brother, and wrote a poem ending (*) "hail and farewell" to commemorate him. This author's works survive as 116 *carmina* in various *libelli*, or little books. Clodia, the daughter of Publius Clodius Pulcher, might be the true identity of a woman admired by this poet in many of his works. For 10 points, name this Roman poet who addressed many love poems to Lesbia.

ANSWER: Gaius Valerius Catullus

<IJ, Poetry>

11. Ruth Tongue collected a series of tales from the county of Somerset about a spirit who lived in one of these objects. The Japanese believe that if one of these objects bleeds when it is cut, then it is likely to be home to a *kodama*. Carvings of a pagan figure associated with these locations are surprisingly common in Medieval Christian churches across Europe. In Egyptian mythology, the king of (*) Byblos uses one of these places containing a notable chest to support his palace. Pliny's *Natural History* includes an apocryphal story in which potion-making materials are gathered from one of these places by druids. A group of nymphs who reside in these locations includes some named after Daphne. For 10 points, name these locations that are legendarily home to many dryads.

ANSWER: trees [accept forests]

<DM, Mythology>

12. **This leader once told Zhou Enlai (“JOE un-lye”) that while Zhou was from a wealthy family, he grew up working class, to which Zhou responded that they were both traitors to their class. Though not confirmed, the possible capture and execution of this man’s son Leonid by the Nazis has been posited as the motivation behind a speech that attacked his predecessor’s “Cult of Personality.” On a trip to the (*) United States, this man met Iowa farmer Roswell Garst and he attempted to raise the USSR’s agricultural output by initiating the Virgin Lands Campaign in Kazakhstan. During a speech at the United Nations, this leader infamously took off his shoe and banged it on his desk. For 10 points, name this Soviet leader who gave the “Secret Speech” and was responsible for a late 1950s “thaw.”**

ANSWER: Nikita (Sergeyevich) Khrushchev

<TR, European History>

13. **The British-born travel writer Pico Iyer has lived in this country since 1992. An early 19th-century travelogue from this country in the form of a comic novel is titled *Shank’s Mare*. Peter Carey’s trip to this country with his son Charley inspired a book titled *Wrong About [this country]*. A book from this country begins with the statement “Days and months are travelers of (*) eternity,” and inspired the title of a novel about the post-war life of the Australian doctor Dorrigo Evans by Richard Flanagan. That book from this country uses a combination of prose and verse to recount the author’s travels with a companion named Sora in 1689. For 10 points, name this country home to Matsuo Bashō, whose *Narrow Road to the Deep North* combines a travel diary with a number of haiku.**

ANSWER: Japan [or Nippon]

<WN, Misc Literature>

14. **The mRNA for these proteins are processed by a namesake “cleavage complex”; those mRNAs unusually lack poly-A tails. Using Triton detergent in 2D acid-urea electrophoresis can separate non-canonical variants of these proteins from canonical ones. One variant of these proteins possesses an extended L1 loop, is required for kinetochore formation, and is called CENP-A. These proteins contain many positively-charged (*) lysine and arginine residues. The “code” named for these proteins consists of post-translational modifications, such as acetyl groups, which are enzymatically added to and removed from their tails to regulate gene expression. An octameric core of these proteins is found in nucleosomes. For 10 points, name these proteins around which DNA wraps.**

ANSWER: histones

<Eric M, Biology>

15. *Description acceptable.* **At one point, this text defends the three ideals of “free minds, free markets, and free people.” This text contrasts “the work of the so-called deep state” with “the work of the steady state.” In explaining his justification for distributing this text, Jim Dao pointed out that he had also edited a piece about an El Salvadoran refugee, whose author was granted the same privilege as this text’s author. A tweet that described the author of this text as (*) “gutless” in all caps asked whether this text’s author really exists. This text’s author claimed that he is part of a “resistance,” but not the “resistance of the left.” This text’s usage of the word “lodestar” may suggest that Mike Pence authored it. For 10 points, describe or name this piece that was written by an official in Donald Trump’s administration and published in the *New York Times* in September 2018.**

ANSWER: the anonymous op-ed piece in the *New York Times* [or “I Am Part of the Resistance Inside the Trump Administration”]; prompt on answers like “the *New York Times* op-ed” by asking “Who wrote it?”; accept equivalents for “anonymous,” like “the op-ed by an unnamed White House official”; prompt on answers using more general descriptors like “article” or “column” or “essay” since “op-ed” is required]

<IJ, Current Events>

16. **This leader's forces massacred opponents outside the city of Praeneste as part of a campaign against Gnaeus Papirius Carbo. While waiting for his subordinate Lucullus to raise a fleet from the eastern Mediterranean, this man sacked Athens and Piraeus before defeating an army led by Archelaus at the Battle of Chaeronea. After his (*) elderly rival was chosen to lead Roman armies against Pontus, this general marched on Rome and oversaw the consular election of his rival Cinna. After his second march on Rome, this man began a series of proscriptions targeting thousands of nobles including a young Julius Caesar. For 10 points, name this Roman general who declared himself dictator-for-life, the rival of Marius.**

ANSWER: Lucius Cornelius Sulla

<TR, Other History>

17. **A painting set in this city includes a stone tablet with an inscription stating "This is in St. Jerome's vale" and "we must first descend if we wish to be raised." An explosion in this city destroyed most of the paintings of Carel Fabritius and leveled many breweries, several of which were replaced by factories for making tin-glazed pottery. This city is depicted in the painting *The Little (*) Street*, whose artist was born in this city. A Pieter de Hooch ("hoke") painting is titled for "a courtyard of a house in" this city. A painting of this city has been dated to between 1660 and 1661 because of the absence of bells in its depiction of the tower of the New Church. For 10 points, name this birthplace of Jan Vermeer, who painted a "view of" this city.**

ANSWER: Delft

<WN, Painting>

18. **A character in this play is nicknamed "Two-and-Twenty Troubles." A character in this play often dreams out loud about playing pool. When one character in this play is startled by a homeless man, she gives him a gold piece because she doesn't have any smaller coins. The maid and valet (*) Yasha and Dunyasha express their love for each other in this play. Another character in this play is warned to stay away because he reminds a mother of her dead son Grisha, and that character shrugs off his shabby appearance by calling himself a "perpetual student." Trofimov attends to Anya in this play, which opens with a family returning from Paris, headed by Madame Ranevskaya. For 10 points, name this play in which Lopakhin purchases the title estate, written by Anton Chekhov.**

ANSWER: *The Cherry Orchard* [or *Vishnovy sad*]

<RR, Drama>

19. **Michael Kremer posited that this process is necessary for continued technology innovation by analyzing differential growth rates in geographically separate regions of the world. In the Solow–Swan model, the rate of this process is denoted n , and this process decreases GDP per capita by increasing break-even investment. This process slows or stops in developed countries in Stage 5 of the (*) demographic transition model. This process cannot occur without sufficient resources according to a 1798 essay. The Ricardian "iron law of wages" limits this process, and the situation where food supply limits this process is called a "Malthusian trap." For 10 points, name this process that occurs when a country's birth rate exceeds its death rate.**

ANSWER: population growth [prompt on growth or birth rate or fertility]

<RR, Social Science - Economics>

20. **Systems described by this adjective often have to deal with the thrashing problem, in which insufficient locality of reference causes a major slowdown in performance. In object-oriented languages like C++, functions described by this word are re-defined in any class that inherits from a base class, which allows you to override base class behavior.** (*) Physical memory is contrasted with memory described by this adjective that is frequently separated into pages. Java implements its “write once, run anywhere” mantra by being compiled to bytecode that is actually run on a machine described by this adjective. For 10 points, name this adjective that describes a type of “reality” offered by products like the Oculus Rift.

ANSWER: **virtual** [accept **virtual** reality or **virtual** functions or **virtual** memory or **virtual** machine]

<DM, Other Science - Computer Science>

Bonuses

1. The first of this piece's three sections begins in D major, with the first violins quietly repeating four-note upward arpeggios in mid-tempo sixteenth notes, which are slurred in pairs. For 10 points each:

[10] Name this piece whose fast final section includes many declarations of "Amen, amen, allelujah, allelujah, amen." Its 3/4-time middle section repeats the word "rejoice" many times.

ANSWER: **Zadok the Priest** (by George Frideric Handel)

[10] Handel used similarly joyous music in this chorus, which ends Part 2 of *Messiah*. It's traditional to stand for this chorus, which begins with 10 repetitions of the same word.

ANSWER: "**Hallelujah**" Chorus

[10] In this oratorio, Handel showed off his ability to "illustrate" a text in "Their land brought forth frogs" and "He spake the word, and there came all manner of flies." It includes the chorus "He smote the first-born."

ANSWER: **Israel in Egypt**

<JR, Music>

2. This concept was used to distinguish the country it applied to from other colonial empires by claiming that the territories it controlled were part of one nation. For 10 points each:

[10] Name this doctrine held by leaders such as António Salazar to justify his country's choosing to hold its colonies long after most other European countries.

ANSWER: **pluricontinentalism**

[10] Salazar led this European country's Estado Novo ("ee-STAH-doo NOH-vo"), a period of corporatist authoritarian government.

ANSWER: **Portugal**

[10] One of Portugal's largest colonies was this southern African country whose independence was fought for by Samora Machel's FRELIMO party.

ANSWER: **Mozambique**

<TR, European History>

3. Cennino Cennini's *Craftsman's Handbook* includes recipes for paints used in this medium. For 10 points each:

[10] Name these hand-painted books, first created in monasteries, that were decorated with gold or silver leaf.

ANSWER: **illuminated manuscripts** [prompt on partial answer]

[10] Cennini's *Handbook* is the first extensive document to discuss this paint medium, which uses egg yolk as a binder. This medium was largely replaced by oil painting.

ANSWER: egg **tempera**

[10] The fact that Cennini's *Handbook* mentions oil painting disproves Giorgio Vasari's claim that oil painting was invented by this artist, who may have worked on an illuminated manuscript called the Turin-Milan Hours. He often signed his paintings with a Flemish motto meaning "As I can."

ANSWER: Jan **van Eyck**

<AWD, Painting>

4. These solutions are described by a model in which the solute is assumed to occupy points on a lattice. For 10 points each:

[10] Name these solutions described by Flory–Huggins theory. In these solutions, long chains of repeating units are dissolved in a liquid or a solid.

ANSWER: **polymer** solutions

[10] In this kind of solvent, polymer chains behave like ideal chains. In these solvents, the change in chemical potential upon mixing is zero.

ANSWER: **theta** solvent

[10] For a theta solvent, the second virial coefficient is zero; for a real gas, the second virial coefficient is zero at a temperature named for this British chemist. He names a law stating that the pressure and volume of a gas are inversely proportional.

ANSWER: Robert **Boyle**

<Eric M, Chemistry>

5. Thomas de Quincey was a frequent guest at this location, and his opium scales are still on display here. For 10 points each:

[10] Name this location in the English Lake District, where the poem “Home at Grasmere” was written. In this location, Mary and Sara Hutchinson re-copied poetry for publication because the handwriting of its initial poet was near-illegible.

ANSWER: **Dove Cottage** [prompt on, but DO NOT REVEAL, Wordsworth’s home or Wordsworth’s cottage]

[10] This poet of “Home at Grasmere” lived at Dove Cottage. He composed many poems about the geography of the Lake District, including one that begins “I wandered lonely as a cloud,” “Daffodils.”

ANSWER: William **Wordsworth**

[10] This long poem by Wordsworth begins by describing his childhood in the Lake District. It was intended to be part of a longer autobiographical and philosophical accounting called *The Recluse*, but that was never finished.

ANSWER: *The **Prelude***

<RR, Poetry>

6. This satellite’s magnetic field is evidence of a salty ocean that might be as deep as 100 kilometers. For 10 points each:

[10] Name this moon of Jupiter, the smallest of the Galilean moons. Its surface is relatively young because fresh water from its internal ocean cleans its surface.

ANSWER: **Europa**

[10] Because the surface of Europa is covered in ice, it has a value of 0.6 for the “geometric” form of this dimensionless quantity.

ANSWER: **albedo** [prompt on reflectivity]

[10] The water on Europa is partially liquid due to a “flexing” phenomenon induced by these forces. The same “flexing” phenomenon caused by these forces is responsible for Io’s volcanism.

ANSWER: **tides** [or **tidal** forces or **tidal** heating or **tidal** flexing]

<IJ, Other Science - Astronomy>

7. This section begins with a genealogy that traces a group of figures as descending from Priam. For 10 points each:
[10] Name this section of a larger work that precedes one named for the “beguiling” of a king who disguises himself as Gangleri before encountering High, Just-as-High, and Third.

ANSWER: the **prologue** to the *Prose Edda*

[10] The stories in the *Prose Edda* were taken from those told by these old Norse court poets, similar to the bards of the British Isles. They made heavy use of poetic metaphors known as kennings.

ANSWER: **skalds**

[10] Snorri Sturluson, the compiler of the *Prose Edda*, hailed from this island country home to many skalds. He served as the Speaker of this country’s still-extant parliament, the Althing.

ANSWER: **Iceland** [or **Ísland**]

<DM, Mythology>

8. One member of this movement, Fortunatus, criticized Augustine for believing that God was not implicated in anything evil. For 10 points each:

[10] Name this religious movement, to which Augustine belonged before his conversion to Christianity. Augustine’s *Confessions* detail his intellectual conversations with Faustus, another member of this movement.

ANSWER: **Manichaeism** [accept word forms]

[10] Augustine’s one-time Manichaean beliefs informed this tract by him, which imagines the title place in a timeless war between God and Satan.

ANSWER: *The **City of God** Against the Pagans* [or *De **civitate Dei** contra paganos*]

[10] Augustine introduced a “defense” named for this concept to resolve the problem of evil. Thus, moral evil results when this concept is abused, since Augustine believed that the universe is wholly good.

ANSWER: **free will** [or the **free will** defense]

<IJ, Philosophy>

9. This character is based on a real-life person who titles a historical “memoir-novel” by Gatien de Courtilz de Sandras. For 10 points each:

[10] Name this character who begins a novel by challenging Athos, Porthos, and Aramis to a duel individually after meeting them and insulting them.

ANSWER: **D’Artagnan**

[10] D’Artagnan the doofus appears in a set of namesake “romances” by this French author, including *Twenty Years After* and *The Three Musketeers*.

ANSWER: Alexandre **Dumas** père

[10] At the opening of *The Three Musketeers*, D’Artagnan loses this valuable object given to him by his father. Monsieur de Treville writes him another one so that he can join an academy.

ANSWER: **letter of introduction** [or **letter of recommendation**; prompt on **letter**]

<IJ, Long Fiction>

10. This group was originally set up to campaign for land rights that had been taken away by the government of William McMahon (“muck-MAHN”). For 10 points each:

[10] Name this unofficial group that has been protesting outside Old Parliament House in Canberra since 1972.

ANSWER: Aboriginal **tent embassy**

[10] The Australian History Wars focus on the characterization of European settlers’ treatment of Australian Aboriginals, including this term for Aboriginal children who were taken from their families.

ANSWER: **stolen** generations [or **stolen** children]

[10] In 2017, Australian Aboriginals and Torres Strait Islanders held a convention at this rock formation in central Australia that is sacred to local tribes.

ANSWER: **Uluru** [or **Ayers** Rock]

<TR, Other History>

11. This man’s student Penelope Eckert wrote *Jocks and Burnouts*, an ethnography of social groups at a Detroit high school. For 10 points each:

[10] Name this University of Pennsylvania linguist who founded the study of variationist sociolinguistics and also studied African-American Vernacular English.

ANSWER: William **Labov** (“luh-BOHV”)

[10] AAVE differs from Standard English in both pronunciation and grammar, meaning that is informally classified as a dialect, as opposed to this concept, which only covers pronunciation differences.

ANSWER: **accent**

[10] People who speak several dialects or languages can engage in this process that involves changing languages, sometimes rapidly, within a single conversation.

ANSWER: **code-switching** [or **code-mixing**]

<RR, Social Science - Linguistics>

12. By multiplying this quantity by its complex conjugate, integrating, then choosing a multiplicative constant such that the integral equals 1, one can “normalize” it. For 10 points each:

[10] Name this quantity that Max Born interpreted as a probability amplitude.

ANSWER: **wavefunction**

[10] The wavefunction is the dependent variable in this fundamental equation of quantum mechanics. It is named for a scientist who noted that the randomness of quantum mechanics can theoretically produce a simultaneously dead-and-alive cat.

ANSWER: **Schrödinger** equation [accept **Schrödinger**’s cat]

[10] The wavefunction, its complex conjugate, and the spatial derivatives of both of those quantities can be used to calculate this quantity. Symbolized J , it represents the flow of probability through space as a particle moves.

ANSWER: **probability current** [or **probability flux**]

<BB, Physics>

13. This author supposedly refused to speak to the screenwriter Paul Schneider after he adapted the submarine movie *The Enemy Below* into the *Star Trek* episode “Balance of Terror.” For 10 points each:

[10] Name this science fiction author whose works include a story depicting a society in which time is regulated by the state, “‘Repent, Harlequin!’ Said the Ticktockman.”

ANSWER: Harlan **Ellison**

[10] Ellison was originally commissioned to adapt this Russian-American author’s *I, Robot* to the screen, but he was dropped after he compared the intelligence of the head of Warner Brothers to an “artichoke.”

ANSWER: Isaac **Asimov**

[10] Ellison’s story “I Have No Mouth and I Must Scream” depicts a sentient and sadistic one of these things named AM. Arthur Clarke’s characters include a sentient one of these things from Urbana, Illinois.

ANSWER: **computer** [or **artificial intelligence** or **AI**]

<IJ, Misc Literature>

14. This man had the Upanishads translated into Persian and posited a link between them and the Quran in an attempt to unify the religions of the Indian subcontinent. For 10 points each:

[10] Name this man who was defeated at the Battle of Samugarh (“SUM-oo-gurr”) by his younger brother Aurangzeb and never became the Mughal Emperor.

ANSWER: **Dara Shikoh** [prompt on partial answer]

[10] Dara Shikoh was the oldest son of this Mughal Emperor who was overthrown by Aurangzeb. He constructed the Taj Mahal for his wife Mumtaz.

ANSWER: **Shah Jahan** [or Mirza Shahab-ud-din Baig Muhammad Khan **Khurram**]

[10] Shah Jahan ordered the construction of the Jama Masjid and Red Fort in this city, whose “New” part is the capital of modern India.

ANSWER: **Delhi** [accept New **Delhi**]

<TR, World History>

15. Answer some questions about successful startups, for 10 points each.

[10] Under the leadership of Dara Khosrowshahi, this company announced the development of a namesake “air” service by 2020 that will provide short flights to users. Its founder Travis Kalanick resigned in 2017 amid allegations of sexual harassment.

ANSWER: **Uber**

[10] This company, co-founded by Jim McKelvey and Twitter CEO Jack Dorsey, provides small businesses with devices that can connect to smartphones and tablets to read credit and debit cards.

ANSWER: **Square**, Inc.

[10] This startup, which partnered with Marshawn Lynch in November 2017, provides solar-powered bikes and scooters for rent. It was criticized for making its vehicles play a voice clip telling unauthorized users “Unlock me to ride me, or I’ll call the police.”

ANSWER: **Lime** [or **LimeBike**]

<KH, Current Events>

16. You're at the eye doctor. For 10 points each:

[10] You flunk the Snellen test in record time by failing to recognize the giant E right at the top. This is because you suffer from this condition, the opposite of hyperopia, in which light focuses in front of the retina.

ANSWER: **myopia** [or **near-sightedness**]

[10] You're also 60 years old and have mentioned that people's faces often appear blurry, so the doctor shows you an Amsler grid of black lines and white spaces to diagnose this age-related condition that affects the center of the retina.

ANSWER: age-related **macular degeneration**

[10] In the commonly performed "applanation" variety of this procedure, the ophthalmologist rudely puffs air into your eye to flatten your cornea and check for intraocular pressure.

ANSWER: **tonometry**

<AG, Biology>

17. Kurt Muller kills his houseguest Teck de Brancovis in Lillian Hellman's *Watch on the Rhine*, a play set in this decade. For 10 points each:

[10] Name this decade of American drama in which plays such as Arthur Laurents's *Home of the Brave* dealt with struggles to re-incorporate soldiers returning from World War II into society.

ANSWER: the **1940s**

[10] An apple tree in this play is dedicated to the memory of Larry, a World War II pilot who has been missing for three years and only his mother, Kate, is still waiting for him.

ANSWER: ***All My Sons***

[10] Another play from the 1940s, Maxwell Anderson's *Lost in the Stars*, is a musical adaptation of this novel, set to music by Kurt Weill ("vile").

ANSWER: ***Cry, the Beloved Country***

<RR, Drama>

18. The first person to translate this work into English was John Chalmers, and it was also translated by Ursula K. LeGuin. For 10 points each:

[10] Name this famously difficult-to-translate work. The first of its 81 chapters opens with a declaration that "the name that can be named is not the enduring and unchanging name."

ANSWER: the ***Tao Te Ching*** [or the ***Dao De Jing***]

[10] Difficult-to-translate phrases in the *Tao Te Ching* include the words for this pivotal Taoist concept, which is often described as "action through inaction."

ANSWER: **wu wei** ("woo way")

[10] The Tao is represented by this interlocking black-and-white symbol whose components represent opposing forces like light and darkness.

ANSWER: **yin** and **yang**

<DM, Religion>

19. During the first of these conflicts, Stephen Decatur led a raid to burn down his own ship, the *USS Philadelphia*, after it ran aground during a blockade. For 10 points each:

[10] Name this set of wars, usually named for a group of tribute-demanding pirates active on the north coast of Africa in the early 19th century.

ANSWER: **Barbary** Wars

[10] This European power was the primary American ally during the First Barbary War, assisting them in the blockade of Tripoli. By the end of the century, nearly a third of its population had emigrated to the US.

ANSWER: Kingdom of **Sweden**

[10] Earlier, Sweden became one of the first nations to perform this action, doing so through a treaty negotiated with Benjamin Franklin. Under Mohammed III, Morocco became the first nation to perform this action.

ANSWER: **recognizing the United States** as an independent nation [accept equivalents]

<DM, American History>

20. Answer the following about the use of the color pink in 1950s Hollywood musicals, for 10 points each.

[10] Marilyn Monroe wears an iconic pink dress while singing that these objects “are a girl’s best friend” in a scene from *Gentlemen Prefer Blondes*.

ANSWER: **diamonds**

[10] Henri Baurel climbs up steps that turn pink one by one in the song “Stairway to Paradise” from this Vincente Minnelli film starring Gene Kelly as an expat painter.

ANSWER: *An **American in Paris***

[10] A fashion magazine publisher tells her employees to “think pink” in an exuberantly pink scene from this 1957 film in which Audrey Hepburn’s character performs an impromptu bohemian-style dance in a nightclub.

ANSWER: ***Funny Face***

<WN, Other Arts - Film>