

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

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Tossups

1. **English historian Ian Kershaw is best known for his biographies of this person. Max Weinreich’s book titled for this person’s *Professors* details the influence of leading scholars and philosophers on this person’s thought. Konrad Kujau (“KOO-yow”) forged a set of diaries purportedly written by this person, which were proclaimed genuine by (\*) Hugh Trevor-Roper. The *Sonderweg* (“ZON-duh-vake”) thesis attempts to explain this leader’s rise in the context of his country’s history. War correspondent William L. Shirer covered up his early praise of this man in his diaries when writing a book about the *Rise and Fall* of this man’s government. A book titled *Inside* this leader’s regime was written by his Minister of Armaments and War Production, Albert Speer. For 10 points, name this dictator who detailed his own life story in *Mein Kampf*.**

ANSWER: Adolf Hitler

<TR, European History>

2. **Mutations in an E3 ubiquitin ligase named for this disease occur in half of all familial cases. Diagnosing this disease involves differentiating it from closely related “plus” syndromes such as multiple system atrophy. In Lee–Silverman Voice Treatment, sufferers of this disease are trained to regain a normal speaking volume by thinking out loud. In most cases, aggregations of the protein (\*) alpha-synuclein are a marker for this disease. The symptoms of this disease result from significant depletion of cells in the substantia nigra. The forward-stooped posture, small shuffling steps, and other characteristic symptoms of this disease may initially be alleviated with L-Dopa or other dopamine agonists. For 10 points, name this neurodegenerative disease characterized by involuntary tremors.**

ANSWER: Parkinson’s disease [or idiopathic parkinsonism; or primary parkinsonism; or hypokinetic rigid syndrome; or HRS; or paralysis agitans]

<AG, Biology>

3. **In an early play by this author, a man on a bench muses over the predator–prey relationship between a blue heron and a duck, describing it as a battle as old as time itself. In another play by this author, an activist named Karen seduces a producer in the hopes of greenlighting an adaptation of a book that describes the harmful effects of radiation. This author penned the line “All train compartments smell vaguely of shit” to open a rambling monologue set in a (\*) Chinese restaurant. At that same restaurant, two men coyly discuss the idea of robbing their office to obtain the play’s namesake leads, an action that is eventually undertaken by the salesman Shelley “The Machine” Levine. For 10 points, name this playwright famed for distinctive fast-paced, vulgar dialogue, such as in *Speed-the-Plow* and *Glengarry Glen Ross*.**

ANSWER: David Mamet

<BN, Drama>



4. One work by this philosopher claims that the statement “Paul Valéry is no longer here” is insufficient to establish a real relation between Valéry and a place, whereas an expected person’s absence produces “the intuitive apprehension of a double nihilation.” One chapter of a book by this philosopher is titled “The Look” and discusses the moment when one sees a mannequin and confuses it for a real person. This man stated that “there is (\*) freedom only in a situation” and described transcending the facts surrounding one’s existence, or facticity, in a book that differentiates between being-in-itself and being-for-itself. This philosopher coined the term “bad faith” in his book *Being and Nothingness*. For 10 points, name this French existential philosopher who wrote *Existentialism is a Humanism*.

ANSWER: Jean-Paul (Charles Aymard) Sartre

<YFL, Philosophy>

5. A pile of bones in a cave appears on the left of a painting depicting this scene; that work’s steep visual perspective cuts off figures standing on a staircase in the foreground. Cimabue (“chee-mah-BOO-ay”) created two wooden depictions of this scene for churches at Santa Croce and Arezzo (“ah-RET-so”). The center of the predella of the *San Zeno Altarpiece* depicts this scene. In one version of this scene, a man points to the central figure next to the Latin words for “he must increase, but I must decrease.” Raphael painted this scene with the (\*) sun and the moon to the central figure’s left and right; that work’s current name comes from its owner, Ludwig Mond. The center of the *Isenheim Altarpiece*’s closed wings shows this scene with the letters INRI above the central figure. For 10 points, name this scene that typically shows Mary and John with Christ on the cross.

ANSWER: crucifixion [accept Christ on the cross or equivalents before mention]

<YFL, Painting>

6. A character in this collection forgets to tip a waiter, then drives back to Somerville the next day to give money to the manager. In one story in this collection, an academic who is studying the foliage of New England gives the narrator inventive candies that the narrator uses to pray for the academic’s wife and children. In the first story in this collection, a couple takes turns saying something the other doesn’t know about them during a (\*) power outage. The title character of this collection saves Bobby from a pack of monkeys. This collection’s first two stories are “A Temporary Matter” and “When Mr. Pirzada Came to Dine.” In this collection’s title story, Mrs. Das tells Mr. Kapasi about her infidelity because he is a translator in a doctor’s office. For 10 points, name this collection of short stories by Jhumpa Lahiri.

ANSWER: Interpreter of Maladies

<RR, Short Fiction>

7. For hundreds of years, the only Greek port in this region was the emporium Naucratis. The Delian League tried to assist a rebellion in this region by Satrap Inaros but lost the Siege of Prosopitis. A huge amount of preserved texts was found in this region at the site of Oxyrhynchus. A city in this region named for Heracles’ alleged visit to it eroded into the sea; that city was the non-Cretan Heracleion. The ruler of a kingdom in this region had the nickname (\*) “Soter” or “Savior” and his descendants fought a series of wars over Syria against his Diadochi rival Antigonos. Alexander the Great travelled to this region’s Siwa Oasis in order to become a god. A ruler of this region lost the Battle of Actium along with her lover, Marc Antony. For 10 points, name this region that was ruled by the Ptolemaic dynasty of Cleopatra from Alexandria.

ANSWER: Egypt [accept Nile Delta until “Oxyrhynchus”]

<JZ, Other History>



8. An artist from this country performed a piece in which she read from her book *Cézanne, She Was a Great Painter* and subsequently pulled a scroll out from her vagina and read a speech from it. The Supreme logo was lifted directly from the style of an artist from this country who placed the words “Your body is a battleground” on red panels over a black-and-white photograph. A piece by an artist from this country includes a section titled “The Heritage Floor” consisting of handmade triangular porcelain (\*) tiles bearing the names of 999 women; that piece uses place settings on a triangular table to track female figures through history and is titled *The Dinner Party*. This country is home to the feminist artists Carolee Schneemann, Barbara Kruger, and Judy Chicago. For 10 points, the Guerrilla Girls formed in what country in response to a lack of female representation at a MoMA exhibit?

ANSWER: United States of America [accept either underlined part; or USA; or equivalents]

<YFL, Other Arts – Misc. Visual>

9. An analogue of this statement links the occupation number of photons in a laser beam to the phase angle. Roy Glauber performed a mathematically rigorous analysis of systems which are “minimized” with respect to this statement. Robertson’s inequality is a generalization of this statement, which implies that systems must have a non-zero energy in their ground state. Any set of variables that obeys a (\*) canonical commutation relation must obey this statement, which says that the product of two standard deviations must be greater than or equal to one-half the reduced Planck constant. For 10 points, name this quantum mechanical principle which restricts the simultaneous measurement of position and momentum and is sometimes named for a German physicist.

ANSWER: Heisenberg uncertainty principle [accept either underlined portion]

<BB, Physics>

10. The final verse of this book declares that “everyone did as they saw fit,” a phrase repeatedly used throughout this book. In an anecdote from this book, people crossing the river Jordan are asked to say the word shibboleth. This book states that “in those times, Israel had no king” before stating that Israel had 40 years of peace after the campaigns of (\*) Othniel. In this book, Jael hammers a pin into Sisera’s head while he sleeps in her tent after Barak is ordered by Deborah to defeat Sisera’s army. A man finds dew on a fleece of wool on a threshing floor in this book in which a man kills 300 Philistines with an ass’s jawbone before being betrayed by Delilah. For 10 points, name this book, whose title Biblical figures include Gideon and Samson.

ANSWER: Book of Judges [or Sefer Shoftim]

<YFL, Religion>

11. Ian Watt analyzed this author’s claim that a novel is a “comic epic in prose” in *The Rise of the Novel*. This author wrote a chapter “containing five pages of paper” in which he chides authors of histories that should be read with “a tankard of good ale.” This author asserted that an author should, like a host of a feast, give a menu before beginning. The title character of a novel by this author worries that he has impregnated the daughter of the gamekeeper (\*) Black George, Molly Seagrim, before competing for the love of another women with Blifil. The title character of a novel by this author is raised by Squire Allworthy and goes on to marry Sophia Western. For 10 points, name this author of *Joseph Andrews* and *Tom Jones*.

ANSWER: Henry Fielding

<JG, Long Fiction>



12. **This song was written by a jeweler from Ohio named Alexander Coffman Ross, and he introduced it while on a business trip to New York. This song's lyrics mention the "Loco standard tottering" and claim that the "Bay State boys turned out in thousands." The lyrics of this song say to "let 'em talk about hard cider," a response to critics of this song's subject and attempt to portray him as a man of the people. This song was a prominent feature of the (\*) Log Cabin Campaign. This song frequently mentions promises to "beat little Van," a reference to incumbent President Martin Van Buren. For 10 points, name this campaign song used by William Henry Harrison whose title references his famous nickname and his less famous running mate.**

ANSWER: "**Tippecanoe and Tyler Too**" [or "**Tip and Ty**"; prompt on Tippecanoe]

<TR, American History>

13. **The Russian SKN company has pioneered a method of creating nanometer-length samples of this material by detonating old ammunition rounds. A laboratory apparatus that uses this material is used to compress small samples at the order of hundreds of gigapascals. These substances, which are used in namesake "anvil cells," were first created in a laboratory through the (\*) HPHT method. A small sample of one of these materials is placed at the tip of the apparatus used for the Vickers test, which measures a quantity that is very high for this material. Igneous rocks such as lamproites and kimberlites are primarily mined for containing this material. For 10 points, name this substance, an allotrope of carbon, which is the final item on the Mohs hardness scale.**

ANSWER: **diamond**

<DM, Other Science - Earth Science>

14. **This book's last sentence describes "the grandeur in supposing that there is a planet that has gone cycling on according to the fixed law of gravity." It opens by criticizing Andrew Knight, who argued that the title event was driven by excess food. This book's last chapter summarizes its previous chapters as "one long argument," which provides the title to Ernst Mayr's book on its author and the "genesis" of modern thought. Its first two chapters deal with (\*) "variation" under domestication, and use the author's own plant studies to advance its central thesis. The author of this book later applied its ideas to humans and apes in his book *The Descent of Man*. For 10 points, name this 1859 book that argued evolution is driven by natural selection, which was written by Charles Darwin.**

ANSWER: *On the **Origin of Species***

<IJ, Other Academic>

15. **The majority of a group of people from this city were killed in a fight that was caused by a stone thrown amongst them. A ruler of this city became the "white goddess" after casting herself into the sea to avoid punishment for nursing the infant Dionysus. Another ruler of this city was forced to work as a slave to Ares for several years as punishment for killing a (\*) dragon and unknowingly gifted his wife with a cursed necklace. This city's founder legendarily introduced the first Greek alphabet and had earlier conducted a failed search for his sister Europa. Another future ruler of this city saved it from a plague by answering the riddle of the sphinx before marrying his mother. For 10 points, name this ancient Greek city whose mythical kings included Cadmus and Oedipus.**

ANSWER: **Thebes**

<DM, Mythology>



16. This country's Code Rural was intended to prevent small-scale agriculture and contained a provision allowing the use of corvée labor for public works projects. An occupying force in this country was resisted by men such as Charlemagne Peralte who led groups of *cacos*. Frederick Douglass served as consul-general to this country, but resigned after failing to acquire the port of Môle Saint-Nicolas. Natives of this country who migrated to a neighbor were killed under the orders of (\*) Rafael Trujillo in the Parsley Massacre. This non-Spanish-speaking country was occupied from 1915 to 1934 by US Marines. The CIA allegedly backed a 1991 coup d'état against this country's president Jean-Bertrand Aristide, a longtime critic of the Duvalier family. For 10 points, name this Caribbean country which gained independence from France after a slave revolt led by Toussaint Louverture.

ANSWER: Haiti

<TR, World History>

17. In the opening chord of this symphony's last movement, the cellos play a G-sharp, the violas play a D below that, the second violins play a high F-sharp, and the first violins play a B below that; then, every note of the melody alternates between the first and second violins. This symphony's scherzo-like third movement is simultaneously in 12/8 ("twelve-eight") and 4/4 ("four-four") time, and features a dotted march over busy string triplets. This symphony opens with a low, slow (\*) bassoon solo in the subdominant, E minor. A bass clarinet is nearly always used to play a four-note bassoon passage in this symphony's first movement that's marked *pppppp* ("sextuple piano"). This symphony ends with an "Adagio Lamentoso," and its second movement is a "limping waltz" in 5/4 ("five-four") time. For 10 points, name this last symphony by Pyotr Ilyich Tchaikovsky.

ANSWER: Pathétique Symphony [accept any answer indicating Tchaikovsky's Sixth Symphony]

<AWD, Music>

18. The extent of this kind of symmetry is represented by subscripts when writing screw axes ("AX-eez") in Hermann-Mauguin ("mo-GAN") notation, which is preferred over Schoenflies ("SHURN-flees") notation in crystallography because it incorporates elements of this kind of symmetry. Volume divided by the cube of the thermal wavelength gives the partition function for this kind of motion, which is the only contributor to the heat capacity of an ideal gas at low temperatures. According to (\*) Noether's theorem, the symmetry of space under this kind of motion implies the conservation of momentum. For any molecule, there are exactly three degrees of freedom for this kind of motion, corresponding to the three spatial dimensions. Molecular motion is comprised of vibration, rotation, and, for 10 points, what kind of straight-line motion through space?

ANSWER: translation [or translational motion; accept word forms]

<EM, Chemistry>

19. Robert Aumann relaxed the requirements for this concept to create a similar "correlated" concept, which incorporates information obtained from observations. One way to prove the existence of this concept is by defining a gain function, assuming that an agent may behave unilaterally and applying the Brouwer fixed point theorem. A refinement of this concept in which it is only considered in situations without non-credible threats was given by Reinhard (\*) Selten. John Maynard Smith adapted this concept to biology by defining the evolutionarily stable strategy, which is resistant to "mutant" behavior. This concept is defined as a perfect information situation in which an agent cannot make a change to make themselves better off. For 10 points, name this game-theoretical "equilibrium" named for a schizophrenic mathematician.

ANSWER: Nash equilibrium [accept Nash after "equilibrium"]

<IJ, Social Science - Economics>



20. One poem describes the “hungry mouth” of one of these objects as “prest Against” a “sweet flowing breast.” A poem titled for some of these objects describes how “A delight / comes sudden” on the speaker’s heart after earlier having “lost beauties and feelings.” Another poem describes how these objects “click upon themselves” before comparing them to “girls on hands and knees.” Unlike poems, only (\*) God can make one of these objects, according to a Joyce Kilmer poem titled for them. An area filled with these objects is “My Prison” in a Samuel Taylor Coleridge poem. Another poem concludes that one could “do worse than be a swinger” of these objects. For 10 points, name these objects Robert Frost wrote about in “Birches.”

ANSWER: trees [accept “Birches” or “Lime-Trees”]

<JG, Poetry>



## Bonuses

1. When a student asked Donald Hall for an assignment to help him improve as a poet, Hall gave him the assignment to “Be as good a poet as [this poet]. Take as long as you wish.” For 10 points each:

[10] Name this author of a poem that starts with the longer line “Lord, who created man in wealth and store” before narrowing to two-word lines like “Most poor,” enabling the printed poem to resemble the title “Easter Wings.”

ANSWER: George **Herbert**

[10] This poet dedicated his *Holy Sonnets*, which include one beginning “Death be not proud,” to George Herbert’s mother Magdalen.

ANSWER: John **Donne**

[10] George Herbert claims that the “immortal” variety of this concept is the “author of this great frame” in one of several poems titled for this concept. The speaker of a Donne poem says “’Twere profanation of our joys / to tell the laity of” this concept that is shared with the addressee.

ANSWER: **love**

<JG, Poetry>

2. Answer the following about the physics behind atomic force microscopy, for 10 points each.

[10] Atomic force microscopy involves placing a cantilever very close to a sample, where various forces cause the tip to deform according to this law, which states that the force needed to compress a spring is linearly proportional to displacement.

ANSWER: **Hooke’s** law

[10] The cantilevered tip of an atomic force microscope has this property, which allows it to convert a mechanical distortion to a voltage difference, allowing for electronic control of the tip’s position.

ANSWER: **piezoelectricity**

[10] Atomic force microscopes are typically run in contact mode, non-contact mode, or this third mode, in which the tip is controlled to gently oscillate at its resonant frequency, intermittently making contact with the surface.

ANSWER: **tapping** mode

<BB, Physics>

3. One of these phenomena consists of various philosophical systems whose dogma causes errors in human understanding. For 10 points each:

[10] Name these four phenomena that obstruct scientific reasoning, according to their formulator. Two of these phenomena are named after the “marketplace” and the “theater.”

ANSWER: **idols** [or **idola**]

[10] This English philosopher discussed the four idols in his *Novum Organum*. His namesake method is a forerunner of the modern scientific method.

ANSWER: Francis **Bacon** [accept **Baconian** method]

[10] Bacon’s methods inspired this project’s image of knowledge as a figurative tree. The scientist Jean d’Alembert (“dah-lom-BARE”) contributed to this project, which contained 11 volumes that consisted entirely of plates.

ANSWER: The **Encyclopedia** [or **Encyclopédie**]

<IJ, Philosophy>



4. The anniversary of this person's death is celebrated as Youth Day in his home country of South Africa. For 10 points each:

[10] Name this schoolboy, the subject of an iconic 1976 Sam Nzima photo showing him being carried to safety after having been mortally wounded by police.

ANSWER: Hector **Pieterse**

[10] Pieterse was killed during this event, a series of protests by black children against the use of Afrikaans in schools.

ANSWER: **Soweto** uprising [accept equivalents for "uprising"]

[10] Soweto and other apartheid-era atrocities were investigated by the Truth and Reconciliation Commission set up in the 1990s by this first black president of South Africa.

ANSWER: Nelson (Rolihlahla) **Mandela**

<TR, World History>

5. Answer the following about jazz artist Eric Dolphy, for 10 points each.

[10] Dolphy played alto saxophone in addition to the flute and the bass form of this single reed instrument. Benny Goodman played this instrument.

ANSWER: **clarinet**

[10] Dolphy toured Europe extensively with this artist's working band. This jazz bassist created the album *The Black Saint and the Sinner Lady* and an album that includes the track "Fables of Faubus."

ANSWER: Charles **Mingus** Jr.

[10] Dolphy played an extensive bass clarinet solo on this song in performances at Copenhagen and the University of Illinois. This song's title line comes after the declaration that "mama may have, papa may have."

ANSWER: "**God Bless the Child**"

<YFL, Other Arts - Jazz>

6. Answer the following about the myths and legends of the Yoruba ("YOH-roo-bah") people, for 10 points each.

[10] The Yoruba worship these deities, the human incarnations of divine spirits. Their ranks include the axe-wielding lightning deity Shango.

ANSWER: **orisha** [or **Orixá**; or **Orichá**]

[10] When the orisha Obatala got drunk off palm wine, his brother Oduduwa had to take his place and create this ancient Nigerian city, the holiest site of the Yoruba people.

ANSWER: Ile-**Ife** ("ee-lay ee-FEH")

[10] Yoruba legends were brought to the Americas, where they formed the basis for traditions like Candomblé, by these types of people. People with this status were guided by the mythical Peg Leg Joe on the Underground Railroad.

ANSWER: **slaves**

<DM, Mythology>



7. This man attempted to improve his country's infrastructure by proposing regulation of the Danube and supporting construction of the Chain Bridge between Buda and Pest, which now bears his name. For 10 points each:

[10] Name this Hungarian reformer, an opponent of Lajos Kossuth ("LYE-ohsh KOH-shoot") who wanted to work within the structure of the Hapsburg Empire.

ANSWER: István **Széchenyi** ("EESHT-vahn SAY-chain-yee") [or Count István **Széchenyi** de Sárvár-Felsővidék]

[10] Széchenyi was a member of Lajos Batthyány's ("LYE-ohsh BOTCH-yawn-yee's") government formed in this year during which the Hungarian Revolution and many other revolutions across Europe broke out.

ANSWER: **1848** [prompt on '48]

[10] The Hungarian Revolution was partially put down by Josip Jelačić ("YO-seep YAY-la-cheech"), a military leader of this ethnicity. Nationalists of this ethnicity formed the Ustaše ("OO-stah-sheh") during World War II.

ANSWER: **Croatian** [prompt on Slavic]

<TR, European History>

8. Women who suffered as a result of this tort were often given a recompense called "heart balm." For 10 points each:

[10] Name this tort, abolished in most jurisdictions, in which a man was engaged to marry a woman but changed his mind.

ANSWER: **breach of promise**

[10] Breach of promise is a concept in this branch of law that deals with marriage, adoption, child protection, and related issues.

ANSWER: **family** law

[10] This procedure renders a marriage void. Unlike divorce, it generally applies retroactively, so that the marriage is considered invalid from its inception.

ANSWER: **annulment**

<WN, Social Science - Law>

9. The standard potential for this kind of reaction is zero for hydrogen. For 10 points each:

[10] Name this type of reaction in which a species gains electrons, usually contrasted with oxidation.

ANSWER: **reduction**

[10] This constant, which is equal to the charge of one coulomb of electrons, is useful for analyzing electrochemical reactions. It is approximately equal to 96485.

ANSWER: **Faraday**'s constant

[10] Another standard electrode catalyzes a reaction between mercury and mercury chloride. The actual electrode is made of this mineral, whose formula is Hg<sub>2</sub>Cl<sub>2</sub>.

ANSWER: **calomel**

<Eric M, Chemistry>



10. A character in this play suggests playing “a little game” in which “we pretend that we’re human beings, and that we’re actually alive.” For 10 points each:

[10] Name this play about the difficult marriage of Jimmy and Alison Porter. This play led to the term “angry young men” to describe a group of writers including this play’s author, John Osborne.

ANSWER: **Look Back in Anger**

[10] In *Look Back in Anger*, Alison’s father Redfern has this title. The title character of Eugène Ionesco’s *The Killer* lures his victims by offering to show them a picture of a person with this title.

ANSWER: **colonel**

[10] Colonel Pickering and Henry Higgins try to pass off the flower girl Eliza Doolittle as a duchess in this author’s play *Pygmalion*.

ANSWER: George Bernard **Shaw**

<WN, Drama>

11. Several of Handel’s works of this type were published without his consent as his Opus 1. For 10 points each:

[10] Name this genre that was pioneered by Arcangelo Corelli in his Opus 5, which includes *La follia*.

ANSWER: solo **sonatas** [accept more specific answers like **violin sonatas** or **recorder sonatas**, but do not accept or prompt on “trio sonata”]

[10] A trio sonata titled *Parnassus: The Apotheosis of Corelli* was written by this French Baroque composer, who wrote the treatise *L’art de toucher le clavecin* (“LARR duh too-SHAY luh clav-SAN”). A 1917 piano suite named for this composer includes a “Forlane” (“for-LAHN”) and a “Rigaudon” (“ree-go-DAWN”).

ANSWER: François **Couperin** [accept *Le tombeau de Couperin*]

[10] Corelli’s Opus 5 sonatas were published in the last year of this century, which is when Baroque music developed. Bach, Handel, and Scarlatti were born in the same year during this century.

ANSWER: **17th** century [or **1600s**] (Those composers were born in 1685.)

<AWD, Music>

12. Answer the following about literary relationships between China and France, for 10 points each.

[10] Dai Sijie (“DYE sudge-YEH”), a Chinese author who writes in French, wrote a novel whose title pairs “the little Chinese seamstress” with this French author of *The Human Comedy*.

ANSWER: Honoré de **Balzac**

[10] This Chinese-born Nobel winner wrote the novel *Soul Mountain* and currently lives as an émigré in France.

ANSWER: **Gao** Xingjian

[10] The Chinese-born French writer Shan Sa wrote a novel about a girl who participates in this activity. The title character of a novel about this activity is angered by Otake, who is based on the real-life Minoru Kitani.

ANSWER: **go** [accept *The Girl Who Played **Go*** or *The Master of **Go***]

<WN, Misc Literature>



13. A 2011 paper used the term “researcher degrees of freedom” for decisions that affect this quantity in unaccounted-for ways. For 10 points each:

[10] Name this quantity, which can be the subject of attempts to “hack” it by conducting multiple tests, or adjusting target variables. This value represents the probability of observing a value as or more extreme than the measurement.

ANSWER: ***p***-value [accept ***p***-hacking]

[10] This general category of statistical tests uses *p*-values. It involves creating a null examples of the namesake statement and calculating a test statistic.

ANSWER: **hypothesis** testing

[10] This method can be used to solve for the multiple tests problem in hypothesis testing. To penalize attempted *p*-hacking, it divides the *p*-value by the number of tests performed.

ANSWER: **Bonferroni** correction

<RR, Other Science - Mathematics>

14. Black activists Fred Hampton and Mark Clark were murdered in a police raid, allegedly as a part of this program. For 10 points each:

[10] Name this FBI program of often illegal covert operations. In another operation under this program, a letter was sent to Martin Luther King encouraging him to kill himself to avoid the leaking of his extramarital affairs.

ANSWER: **COINTELPRO** [or **Counter Intelligence Program**]

[10] Another leftist group targeted by COINTELPRO was the Young Lords, whose members were of this ethnicity. Two men of this ethnicity had earlier attempted to assassinate Harry Truman in 1950.

ANSWER: **Puerto Rican** [prompt on **Latino**, **Latina**, or **Hispanic**]

[10] The man in charge of COINTELPRO operations was W. Mark Felt, who in 2005 was revealed to be the man who used this pseudonym, taken from a popular 1972 film, to leak information about the Watergate scandal.

ANSWER: **Deep Throat**

<DM, American History>

15. After this state’s legislature rejected a bill banning assault weapons, Dinesh D’Souza tweeted, “Adults 1, kids 0.” For 10 points each:

[10] Name this state where Cameron Kasky and David Hogg, among others, began the Never Again campaign after their classmates were killed in the Stoneman Douglas High School shooting in Parkland.

ANSWER: **Florida**

[10] A branch of the Women’s March organized the Enough! National School Walkout a month after the Parkland shooting, which lasted for this many minutes, one for each casualty of the shooting.

ANSWER: **17** minutes

[10] Shari Redstone, a high-ranking executive of this media conglomerate, donated 500,000 dollars to the March for Our Lives and had its channels, including MTV and Nickelodeon, participate in a 17-minute blackout.

ANSWER: **Viacom**

<KH, Current Events>



16. A V617F mutation in one protein in this signaling pathway causes myeloproliferative disorders like polycythemia vera. For 10 points each:

[10] Name this signaling pathway that is usually activated by cytokines. Inhibitors of this pathway include SOCS and PIAS, and one protein in this pathway originally got its name because it has two kinase domains back-to-back.

ANSWER: **JAK-STAT** pathway [prompt on partial answer]

[10] Mutations in JAK2 are also responsible for a disease in which these cell fragments are overproduced. These cell fragments are formed from megakaryocytes and are partly responsible for hemostasis and blood clotting.

ANSWER: **platelets** [or **thrombocytes**]

[10] JAK-STAT signaling is key to the action of this hormone, which is produced by the kidneys in response to low oxygen. This hormone triggers the production of red blood cells in bone marrow, and is frequently abused as a dopant by athletes.

ANSWER: **erythropoietin** [or **EPO**; or **hematopoietin**; or **hemopoietin**]

<Eric M, Biology>

17. The temple that houses this relic also served as the royal quarters for the Kingdom of Kandy. For 10 points each:

[10] Name this relic that was taken by Khema from a funeral pyre. It is currently enshrined in a namesake temple complex in Sri Lanka.

ANSWER: the **tooth** of Gautama **Buddha** [prompt on **tooth** by asking “of whom?”]

[10] Other notable Buddhist buildings include these structures, which take the form of tiered towers. A so-called “Iron” one of these structures is located in Kaifeng (“kai-FUNG”).

ANSWER: **pagodas**

[10] This country’s Shwedagon Pagoda holds relics from four past Buddhas. Buddhists in this country have led the persecution of the mostly-Muslim Rohingya people.

ANSWER: **Myanmar** [or **Burma**]

<DM, Religion>

18. In the novel *Hard to Be a God*, two authors with this last name created a spy called Anton is sent from Earth to investigate a planet with medieval levels of technology. For 10 points each:

[10] Identify this last name. Two authors with this last name wrote a novel in which “Red” Schuhart is employed by scientists to illegally enter Zones and retrieve alien technology.

ANSWER: **Strugatsky** [accept Boris and Arkady **Strugatsky**]

[10] The Strugatsky brothers wrote in this language. *Novy Mir* was a literary journal for publishing works in this language in the Soviet Union.

ANSWER: **Russian**

[10] In this Russian science-fiction novel, the Mephi attempt to destroy the Green Wall and bring down the One State. I-330 attempts to recruit the protagonist, D-503, to join the Mephi in this novel by Yevgeny Zamyatin.

ANSWER: ***We*** [or ***My***]

<JG, Long Fiction>



19. This doctrine was diminished in the United States when most states passed Married Womens' Property Acts over the course of several decades beginning in 1839. For 10 points each:

[10] Name this doctrine from British common law which held that upon marriage, a woman's legal rights were granted to her husband.

ANSWER: **coverture** [or **couverture**]

[10] In 1850, this country became the first in the world to give equal inheritance rights to men and women. This island country also had the first democratically elected female president in the world from 1980 to 1996.

ANSWER: **Iceland**

[10] In 2005, this country amended its 1956 Hindu Succession Act to give all women rights to ancestral property, including those practicing minority religions such as Jainism and Sikhism.

ANSWER: **India** [or **Bharat** Ganarajya]

<TR, Other History>

20. In this art movement's manifesto, its author declares that he "believes in the future resolution of these two states, dream and reality." For 10 points each:

[10] Name this art movement whose manifesto was authored by André Breton and defines it as "pure psychic automatism." The painter of *The Persistence of Memory*, Salvador Dalí, was a member of this movement.

ANSWER: **surrealism**

[10] A painting by this surrealist artist consists merely of the word "Photo," a patch of blue, and the painting's title, *This Is the Color of My Dreams*. A ladder stretches into the sky on the left of this man's *Dog Barking at the Moon*.

ANSWER: Joan **Miró**

[10] This surrealist work by Max Ernst was inspired by a fever dream that he had while sick with measles as a child. In this work, a man holding a child stands on a roof and reaches for a red knob attached to the frame.

ANSWER: ***Two Children Are Threatened by a Nightingale*** [or ***Deux Enfants sont menacés par un rossignol***]

<YFL, Painting>