**ACF Regionals 2018**

**Edited by Auroni Gupta, Will Alston, Kenji Shimizu, Will Holub-Moorman, and Stephen Eltinge**

**Packet by Missouri A (Alexander Harmata, Itamar Naveh-Benjamin, Joe Stitz and Dinis Trindade), McGill A (Akhil Garg, Daniel Lovsted, Derek So, Joe Su), and Johns Hopkins C (Wenzer Qin)**

Tossups

1. The army of Charles IX was quickly defeated by a contingent of these troops at the Battle of Kircholm. In a message to the Pope, a king who had just led 3,000 of these troops to victory wrote “I came, I saw, God conquered.” A force primarily made of these troops halted the campaign of Jacob de la Gardie by outsmarting an army five times its size at the Battle of Klushino. These troops often carried an elongated pick called a *nadziak* (“nah-jack”), and they began using a lance called a *kopia* as part of Stephen Bathory’s reforms. In 1683, 3,000 of these troops under the leadership of John III Sobieski took part in an 18,000-man charge to break the Ottoman siege of Vienna. For 10 points, name this type of cavalry soldier, Polish examples of which incorporated wings into their uniforms.

ANSWER: Polish **hussar**s [or **husaria**; accept **Winged Hussar**s; prompt on cavalry or horsemen]

<European History post-600>

2. In a novel written in this format, mosquitoes die upon contact with the “dumb-ox” Yanzao due to the massive amounts of pesticides that he spreads around the village of Maqiao. The princess Ateh dies upon looking into a mirror and seeing the poisoned letters inscribed on her eyelids in a novel in this format in which the Khan of the title people invites Christian, Jewish, and Islamic scholars to interpret a dream. A work of this type quotes verses by “that learned and ingenious cleric” Father Gassalasca Jape about success and retribution. A 1755 work of this type calls oats “a grain which in England is generally given to horses, but in Scotland supports the people.” For 10 points, Samuel Johnson authored a mostly serious example of what type of reference book, a satirical “Devil’s” example of which was written by Ambrose Bierce?

ANSWER: **dictionary** [or a **word book**; or an **encyclopedia**; or a **lexicon**; accept *A* ***Dictionary*** *of Maqiao* or ***Dictionary*** *of the Khazars* or *The Devil’s* ***Dictionary***; prompt on reference book until read]

<Long Fiction>

3. Due to relativistic causality, two of these objects evaluated at a spacelike separation must always commute. The Wightman axioms provide a rigorous foundation for the theory of these objects. Operators representing these objects are applied to the vacuum to create quantum states in second quantization. Textbooks on these objects include a three-volume treatise by Steven Weinberg and a book by Michael Peskin and Daniel Schroeder. A conformal theory of these objects is dual to string theory in the AdS/CFT correspondence, and as with strings, excitations of them are interpreted as particles. One of them has a vacuum expectation value of 246 GeV (“giga-electron-volts”), acts on particles in a way often analogized to molasses, and mediates the generation of mass by the Higgs boson. For 10 points, name these objects that permeate all space, whose namesake theory of quantum physics is called QFT.

ANSWER: quantum **field**s [accept quantum **field** theory; accept Higgs **field**]

<Physics>

4. A campaign ad in this country featured the doctor Pansy Lai, who was nearly censured over her alleged support of conversion therapy. The controversial book *The Gender Fairy*, about two transgender children, is from this country. A mural in this country that depicted George Michael as a saint was defaced by a man who stated “I’m defending my religion.” In December 2017, thousands of Twitter users from this country tweeted “eat shit Lyle,” referring to the conservative lobbyist Lyle Shelton. In this country, Liberal Party Senator Dean Smith introduced an amendment that changed the words “a man and a woman” to “a union of 2 people” in its 1961 Marriage Act, in accordance with the 61 percent of voters who chose “Yes” on a November 2017 “postal survey.” For 10 points, name this country where same-sex marriage was legalized by the government of Malcolm Turnbull.

ANSWER: **Australia** [or Commonwealth of **Australia**]

<Current Events>

5. In a scene first shown in this publication, a man states “Oh no, my Lord, I assure you that parts of it are excellent!” while reassuring a bishop of the quality of an egg. This publication debuted an image with a pedestal engraved with the words “E PLURIBUS UNUM,” on which a black woman is chained to an American flag, a reaction to Hiram Powers’s *The Greek Slave*. Kaiser Wilhelm II looks on from above as Otto von Bismarck leaves a ship, metaphorically “dropping the pilot,” in an image from this publication by John Tenniel. While writing about the Great Exhibition for this publication, Douglas Jerrold coined the nickname “Crystal Palace.” This magazine, also called the “London Charivari” in tribute to a similar French publication, was named for a stock puppet character who often quarrels with Judy. For 10 points, name this British magazine known for its satirical cartoons.

ANSWER: ***Punch*** [accept *The* ***London Charivari*** until it is read] (The first sentence refers to George du Maurier’s “curate’s egg” cartoon.)

<Other Art (Other Visual)>

6. The protagonist of a novel in this genre entertains fellow passengers on a stalled train by describing frogs being hunted *en masse* to supply restaurants with legs. The compassionate hero Winnetou stars in several popular German-language novels in this genre written by Karl May. A novel in this genre ends with the protagonists toppling a giant boulder to thwart several polygamous Mormons in hot pursuit. The drifters Art Croft and Gil Carter get caught up in the hanging of three innocent men by a mob suspecting them of being thieves in a novel in this genre by Walter Van Tilburg Clark titled *The Ox-Bow Incident*. In honor of the author of the first major novel in this genre, *The Virginian*, the Owen Wister Award is bestowed upon outstanding authors of these books. For 10 points, name this literary genre of Zane Grey’s *The Riders of the Purple Sage* and numerous novels by Louis L’Amour.

ANSWER: **Western** novels [prompt on adventure novels]

<Long Fiction>

7. This compound is the starting molecule of a reaction whose eight proton and electron transfers were mapped using stopped-flow experiments by Lowe and Thorneley. This compound can be obtained at up to 99.999 percent purity by preferentially capturing it in a bed of zeolite in pressure swing adsorption. Though it prefers to bind metals end-on, this compound can serve as a bridging ligand in either a side-on or an end-on manner. An enzyme that uses an iron-molybdenum cluster as a cofactor catalyzes the reduction of this compound. Substituting a diazonium compound with a different nucleophile, as in the Sandmeyer reaction, liberates this gas. Because of its boiling point of negative 196 degrees Celsius, the liquid form of this compound is commonly used for biological storage. For 10 points, name this diatomic gas that makes up most of Earth’s atmosphere.

ANSWER: di**nitrogen** [or **N2**]

<Chemistry>

8. In a piano piece by this composer, an odd syncopated rhythm appears in the third of six variations in an *Arietta* in 9/16 (“nine-sixteen”) time; that piece’s other movement is marked *Maestoso*. He’s not Chopin, but a piano sonata by this composer opens with an *Andante con variazioni* in 3/8 (“three-eight”) time and contains a third-movement funeral march. The right hand opens playing [read slowly] “B, D D G G B” against left-hand staccato chords in a late *rondo* that this composer inadvertently called *ingharese* (“een-gah-REH-zeh”). The notes [read slowly] “E D-sharp E D-sharp E, B D C A” begin this composer’s Bagatelle No. 25 in A minor. His late piano pieces include a set of 33 variations on a C minor waltz, a piece nicknamed “Rage Over a Lost Penny,” and a sonata called “Waldstein.” For 10 points, name this composer of the *Diabelli Variations* and “Für Elise” (“FYOOR eh-LEE-zuh”).

ANSWER: Ludwig van **Beethoven** (The first and second pieces are the Sonatas Nos. 32 and 12.)

<Music>

9. Max Jones’s biography of this man portrays him as a “martyr to science” whose death united political radicals. Roland Huntford, who published unedited versions of this man’s journals, was criticized for his portrayal of this man by one of this man’s biographers, Ranulph Fiennes (“ruh-NOOF fines”). This man’s final writing says “For God’s sake look after our people.” A cross on Observation Hill commemorates a party led by this man, one of whose members said “I am just going outside and may be some time,” but never returned. A diary entry by this man stating “I do not regret this journey” was quoted in a Ralph (“rafe”) Vaughan Williams piece. This man’s party accomplished its goal a month and two days after Roald Amundsen’s expedition. For 10 points, name this naval captain who, while leading the *Terra Nova* expedition, died in Antarctica.

ANSWER: Robert Falcon **Scott** [or Captain **Scott**]

<British/CW History>

10. In a book titled for this process, an author recalls how his classmates were punished for performing a certain action by being forced to wear signs around their neck with phrases like “I AM A DONKEY.” An essay by Eve Tuck and K. Wayne Yang argues that this process “is not a metaphor.” Kwasi Wiredu has argued for a “conceptual” form of this process, which another text describes as a “program of complete disorder.” In a book titled for this process, one author described his efforts to reverse the alienation caused by a “cultural bomb” through writing in Gikuyu rather than English. In *The Wretched of the Earth*, Frantz Fanon argued that this process must involve violence, and the title of a book by Ngugi wa Thiong’o pairs this process with “the mind.” For 10 points, name this process of removing non-indigenous people and ideas from a given area.

ANSWER: **decolonization** [or **decolonizing**; accept “**Decolonization** Is Not a Metaphor,” conceptual **decolonization**, or ***Decolonizing*** *the Mind*; prompt on more general answers such as resisting colonialism or anti-imperialism; do not accept or prompt on just “colonizing”]

<Philosophy>

11. This author created a character who sees an apparition of a young boy’s face after stealing an offering of grapes set in front of a bronze statue of Pan. In a story by this author, the Duke of Scaw uses a mystical process called “koepenickery” to replace politicians with angels. A recurring character created by this author of “The Music on the Hill” and “Ministers of Grace” poses as Stanislaus, the secretary of a Bishop who is ostensibly plotting to massacre 26 Jews, in order to administer an “unrest-cure” to J. P. Huddle. A story by this author ends with a boy making a piece of toast after Mrs. De Ropp is killed by the title polecat-ferret. In his best-known story, Mr. Nuttel flees after seeing three hunters through the title entrance. For 10 points, name this pseudonymous British author of “Sredni Vashtar” and “The Open Window.”

ANSWER: **Saki** [or Hector Hugh **Munro**]

<Short Fiction>

12. This place names a series of 14 meetings of premillenarian Christians led by James Brookes, known as its namesake “Bible conferences.” The anti-accommodationist resolutions adopted by a radical organization named for this place were drafted in the home of Mary B. Talbert. Following the 1908 Springfield riot, seven members of an organization named for this place, including suffragist Mary White Ovington and anti-imperialist Moorfield Storey, founded the NAACP. A city that was named after this place contains the town of Lundy’s Lane, where a War of 1812 battle took place. In 1905, W. E. B. Du Bois founded a civil rights organization called this place’s “Movement.” For 10 points, name this landmark that Annie Taylor went over in a barrel, a tourist attraction in New York.

ANSWER: **Niagara** Falls [accept **Niagara** River or **Niagara** County or **Niagara** Movement, etc.]

<US History>

13. In a paper subtitled “The Endless Dispute,” Jacob Rempel summarized the difficulty of determining the evolutionary origin of the head of animals in this phylum due to the nebulous nature of the pre-oral region and the labrum. Several thin R cells form a transparent structure called a rhabdom in members of this phylum. Rift Valley fever and West Nile are caused by arboviruses, meaning that they are transmitted by members of this phylum. Animals in this phylum absorb wastes from their hemolymph through a system of Malpighian tubules. Until recently, the start of the Cambrian Period was dated to the appearance of a three-lobed animal in this phylum. Trilobites are an extinct example of, for 10 points, what exoskeleton-possessing animals, such as crustaceans and insects?

ANSWER: *Eu****arthropoda*** [or **arthropod**s; accept **insect**s until “this phylum” is read]

<Biology>

14. Members of this non-African religious tradition avoided touching white roosters because they were associated with the moon. According to this tradition, three was the first “male” number and represented harmony, while two was the first “female” number and represented opinion. They’re not Neoplatonists, but members of this religious tradition cited the 71 “golden verses” as a source of moral authority. Members of this tradition strictly practiced vegetarianism due to its founder’s belief in the transmigration of souls. This tradition’s members abstained from eating beans and lived communally in Croton. For 10 points, identify this Greek religious and philosophical tradition based on the teachings of a philosopher who discovered perfect musical tuning intervals.

ANSWER: **Pythagorean** school / religion [accept any answer referring to followers of **Pythagoras**]

<Religion>

15. *Description acceptable.* This poem is referenced throughout a song whose third verse begins: “Got hitched, I bought a frying pan / Fried eggs, my wife eats like a man.” The author of this poem ignored the suggestion of “the yellow roses” for its first line in conscious rejection of classical allusions. This poem is the most enduring of its author’s three contributions to the collection *A Spring Day*, which was mainly written by his disciples. Donald Keene translated this poem’s first adjective as “ancient.” Allen Ginsberg’s onomatopoeic rendition of this poem ends with the exclamation “Kerplunk!” In its original language, this poem’s “cutting word” is *ya*, and its “seasonal reference” is *kawazu*. According to legend, this poem was the reply to a *koan* posed by the author’s Zen master. For 10 points, name this poem about a sound heard in a pond when a certain animal jumps in, a haiku by Matsuo Bashō.

ANSWER: Bashō’s **frog** haiku [or the ***kawazu*** haiku until “kawazu” is read; or “The **Old Pond**" until “pond” is read; prompt on Bashō’s haiku or other answers that mention a haiku or Bashō without mentioning the **frog**]

<Non-Epic Poetry>

16. The linearized response of celestial bodies to these phenomena is modeled by the three Love numbers *h*, *k*, and *l*. These phenomena can cause inelastic bodies to gain or lose angular momentum and enter the Cassini state. These phenomena generate resonant ringing oscillations at the periapsis of the orbits of “heartbeat” binary star systems. Very strong instances of these phenomena entrain potentially habitable extrasolar “eyeball planets.” Strains caused by these phenomena heat the interior of Europa and cause volcanic activity on Io. The same face of the Moon is always turned towards Earth thanks to “locking” caused by these forces, which also tear apart orbiting bodies that fall inside the Roche (“rohsh”) limit. For 10 points, name these forces due to gravitational gradients, which cause sea levels to rise and fall each day on Earth.

ANSWER: **tidal** forces [or **tide**s; accept **tidal** locking; prompt on differences in gravity or gravitational gradients]

<Other Science (Astronomy)>

17. One of these inanimate objects belonging to Yamato Takeru’s wife Tachibana-hime washes up on the shore and is placed atop her burial mound. Because banshees are often depicted with silver examples of these objects, picking one up is considered bad luck. Lemminkäinen’s (“lem-in-KAY-in-en’s”) mother learns of her son’s death after she spots one of these objects bleeding. Along with scissors and a razor, Culhwch (“COOL-hookh”) recovers one of these objects from between Twrch Trwyth’s (“toorkh TRUE-ith’s”) ears. To keep her safe from Yamata-no-Orochi, Susano’o turns Kushinada-hime into one of these objects. Izanagi breaks off a piece of one of these objects to use as a torch during his descent into the underworld. A commandment given by Guru Gobind Singh requires that baptized Sikhs keep a *kanga*, an example of, for 10 points, what grooming item used to care for a part of the body hidden under the turban?

ANSWER: **comb**s [accept **hairbrush**es due to ambiguity about the Kalevala translation]

<Mythology>

18. The first recorded use of this river’s current name, which may mean “our boat,” is by Alvise da Cadamosto (“all-VEE-say da kah-dah-MOH-stoo”), who met the *damel* of Cayor along the coast just to its south. A city at the mouth of this river has a bridge named for governor Louis Faidherbe (“fed-AIRB”), who recruited a famous regiment of marksmen or *tirailleurs* (“tee-rye-YURR”). After a capital was changed in 1902, a city at this river’s mouth called Saint-Louis (“san-loo-ee”) went into decline. Land just south of this so-called “River of Gold” was governed by the Wolof empire. Arab geographers like al-Idrisi incorrectly considered this river a western extension of the Niger. The second president of a country named for this river was Abdou Diouf, who peacefully succeeded a founder of the Negritude movement. For 10 points, what African river names a country led by Léopold Senghor?

ANSWER: **Senegal** River [or Rio de **Senega**; or Fleuve **Sénégal**; or al-**Sanaghal**; accept **Senegalese Tiralleurs**]

<Other History>

19. In 1904, Matisse twice painted a scene centered on a water pitcher: once in the style of Signac and once imitating this artist. Gleizes and Metzinger distinguished this artist’s “profound reality” from the “superficial reality” of Courbet in *Du Cubisme*, and wrote that “to understand [this artist] is to foresee cubism.” Paul Ranson and Pierre Bonnard, among others, observe a work by this artist in a Maurice Denis painting titled *Homage to* this artist. The 1907 Salon D’Automne (“doh-TUM”) retrospective of this artist included his portrait of his wife Hortense in a red dress, a painting of two men in brown hats seated at a table, and a large painting in which tree trunks form a triangular frame around a group of nudes at a river. Both Matisse and Picasso supposedly called this man “the father of us all.” For 10 points, name this painter of *The Card Players* and *The Large Bathers*, a French Post-Impressionist.

ANSWER: Paul **Cézanne**

<Painting/Sculpture>

20. An essay by this thinker quotes the lines “One cannot bear to join in the madness / But if he does not do so / He will not share in the spoils” from a famous *tembang* to illustrate the discrepancy between moral prescriptions and material rewards. Talal Asad criticized this thinker for ignoring religion as a source of social power and instead overemphasizing the “moods and motivations” encouraged by systems of belief. This author of the essay “Religion as a Cultural System” wrote about the development of a certain religion in Morocco and Indonesia in his book *Islam Observed*. This anthropologist analyzed what he called “webs of significance” using the technique of “thick description” in an essay on the Balinese cockfight. For 10 points, name this author of *The Interpretation of Cultures*, which contains his essay “Deep Play.”

ANSWER: Clifford **Geertz**

<Social Science>

Bonuses

1. The long 1937 battle over this city featured the so-called “eight hundred heroes,” who covered a retreat by holding the Sihang warehouse, supplied by the Girl Guide Yang Huimin (“yong hway-meen”). For 10 points each:

[10] Name this city. A decade earlier, it was the site of a horrific Nationalist massacre of Communists during the April 12 Incident, after which it was run by Green Gang gangsters for a decade.

ANSWER: **Shanghai**

[10] The Battle of Shanghai is sometimes called the “Yangtze” version of this battle along the Volga River, in which Soviets repulsed a German attack at the cost of over a million casualties.

ANSWER: Battle of **Stalingrad**

[10] Just after the capture of Shanghai, this US ship built in Shanghai was sunk while it was anchored along the Yangtze. Along with the Allison incident, the sinking of this ship turned US public opinion against Japan.

ANSWER: *USS* ***Panay*** [accept USS **Panay** incident/affair]

<Other History>

2. A style of these objects called a *bursa* or “purse” became popular in 13th-century Germany. For 10 points each:

[10] Name these religious objects, transparent examples of which are called philatories. “Speaking” varieties of these objects are shaped like body parts.

ANSWER: **reliquary** [or **reliquary shrine** or **speaking reliquary**; accept **châsse**; prompt on shrine]

[10] Reliquaries were made for the separate burial of hearts of holders of this title. Louis XVII, the child of a holder of this title who was executed, had his heart re-buried next to his parents in 2003.

ANSWER: **king**s of **France** [accept any answer indicating a **French monarch** of some kind; prompt on less specific answers such as king or monarch]

[10] Though many made reliquaries for their body parts or organs, almost every French king from the 10th through 18th centuries was interred in this Gothic church rebuilt by Abbot Suger (“soo-JAIR”) in the 12th century.

ANSWER: Basilica of **St. Denis**

<Religion>

3. Benzene oxide and oxepin undergo the rare “valence” type of this phenomenon, in which a single or double bond is rapidly formed or broken. For 10 points each:

[10] Name this phenomenon in which compounds rapidly interconvert between constitutional isomers by moving a proton, as with ketones and enols.

ANSWER: **tautomer**ism [or **tautomer**ization]

[10] This simple sugar with chemical formula C6H12O6 tautomerizes between straight chain and ring forms. Sucrose is composed of fructose and this other monosaccharide.

ANSWER: **glucose**

[10] Proline catalysis of an asymmetric aldol reaction yields one of these compounds, a nitrogen-containing analogue of enols that tautomerizes into an imine.

ANSWER: **enamine**

<Chemistry>

4. Critic Kenneth Tynan’s pejorative term for middlebrow mid-20th-century British drama, “the Loamshire play,” refers to a fictional county that this author regularly used as a setting. For 10 points each:

[10] Name this author of a “Loamshire novel” about an activist who accidentally kills a constable during a riot that breaks out on the day that his candidate, Harold Transome, loses a parliamentary election.

ANSWER: George **Eliot** [or Mary Anne **Evans**] (The novel is *Felix Holt*.)

[10] The chaplain Obadiah Slope delivers an unpopular sermon against chanting in church services near the start of the most popular of the six novels this author set in the fictional county of Barsetshire.

ANSWER: Anthony **Trollope** (The novel is *Barchester Towers*.)

[10] This author agglomerated several southwest English counties into the fictional area of Wessex, where he set novels like *Far from the Madding Crowd* and *Tess of the D’Urbervilles*.

ANSWER: Thomas **Hardy**

<Long Fiction>

5. In alpha 1-antitrypsin deficiency, the elastase released from the primary granules of these cells damages connective tissue in the lung or liver. For 10 points each:

[10] Identify these most abundant white blood cells, whose nuclei characteristically have three to five distinct segments.

ANSWER: **neutrophil** [or **neutrocyte**s; prompt on granulocytes]

[10] Like macrophages, neutrophils are part of the myeloid lineage, meaning that they originate from stem cells in this tissue located inside bones.

ANSWER: bone **marrow** [accept more specific answers that mention **marrow**]

[10] These immature myeloid cells, which have been found to inhibit T cell activation in cancer settings, can express markers for both neutrophils and macrophages.

ANSWER: **myeloid derived suppressor cell**s [or **MDSC**s]

<Biology>

6. This goddess of warfare in Lower Egypt was worshipped as a dual goddess with her Upper Egyptian counterpart Sekhmet. For 10 points each:

[10] Name this Egyptian protector goddess, the wife of Ptah.

ANSWER: **Bast** [or **Bastet**; or **Ubasti**]

[10] Bast is often shown carrying a sistrum and an object that scholars denote with this Greek word. Though probably derived from a word for “storm,” this word’s actual meaning is unclear, since it denotes both a goatskin owned by Zeus and a dissimilar possession of Athena’s.

ANSWER: **aegis** [or **aigis**; don’t accept or prompt on anything else, as the question is asking for a Greek word]

[10] This patron deity of miners is also frequently depicted holding a sistrum. This cow-headed goddess also governed love and fertility.

ANSWER: **Hathor** [or **Hwt-hr**; or **Athor**]

<Mythology>

7. Salvador Martínez Cubells (“koo-VAILS”) was in charge of the challenging task of transferring the artworks in this building to canvases. For 10 points each:

[10] Name this building whose ground floor artworks were placed on separate halves according to the gender of its subjects: men were represented by *A Pilgrimage to San Isidro* and women by *La Leocadia*, among others.

ANSWER: **Quinta del Sordo** [accept any translation that mentions a residence of a **deaf man**; **do not reveal this answer otherwise**, but prompt on answers indicating any residence of Francisco Goya]

[10] The Quinta del Sordo was this artist’s late-life villa, which he decorated with *Saturn Devouring His Son* and other morbid and violent *Black Paintings*.

ANSWER: Francisco **Goya** [or Francisco José de **Goya** y Lucientes]

[10] A small early painting by Goya depicts a “yard” in one of these places centered on a pair of brawling, naked men. Upper-class women observe Tom Rakewell in one of these places in the final scene of *A Rake’s Progress*.

ANSWER: an **asylum** [accept equivalents, such as **mental hospital**s, **psychiatric hospital**s, **mental institution**s, **psych**iatric wards, or **mental asylum**s; accept offensive colloquialisms such as **loony bin**s, **madhouse**s, insane **asylum**s, **bedlam**s, **funny farm**s, or **bughouse**s; prom

<Painting/Sculpture>

8. During the First Punic War, the battle of Agrigentum resulted in Roman control of this island, which then became a key source of grain throughout the Republic and Empire. For 10 points each:

[10] Name this large island, the site of the majority of land-based combat during the war. The Romans called it “Trinacria” for its roughly triangular shape and later conquered its city of Syracuse.

ANSWER: **Sicily** [or **Sicilia**]

[10] This man commanded Carthaginian forces in Sicily during the First Punic War and crushed rebels in the Mercenary War before he died in battle in Iberia. He had his nine-year-old son dip his hands in blood and swear an oath of eternal hatred against Rome.

ANSWER: **Hamilcar** Barca [or **Hamelqart**; or reasonable vocalizations of **Hmlqrt**; prompt on Barca]

[10] Hanno the Great lost this 256 BC naval battle off the Sicilian coast to a force led by Marcus Atilius Regulus. Over 100,000 mariners took part on both sides, making it by far the largest naval battle in classical antiquity.

ANSWER: Battle of Cape **Ecnomus**

<Old Euro/NE History>

9. Answer the following about times when there were collective winners of *Time* Person of the Year, for 10 points each.

[10] The 2006 distinction belonged to the millions of people worldwide who provide content for the Internet and was publicized as this specific three-letter word.

ANSWER: **you**

[10] The winners in 1968 were Frank Borman, Jim Lovell, and William Anders, the crew aboard this spacecraft. The photo *Earthrise* was taken during this mission, which was the first American manned mission to orbit the moon.

ANSWER: **Apollo 8**

[10] The American women who took the title in 1975 included this author of *Against Our Will: Men, Women and Rape*. She argued that pornography should not be protected under the First Amendment in her essay “Let’s Put Pornography Back in the Closet.”

ANSWER: Susan **Brownmiller**

<Other Academic>

10. This man split with fellow party members Victor Berger and Morris Hillquit over whether to expel the IWW. For 10 points each:

[10] Name this Socialist Party leader who also disagreed with Hillquit and Berger about the need for electoral success, as he ran for President unsuccessfully five times starting in 1900.

ANSWER: Eugene Victor **Debs**

[10] Debs’s 1920 presidential run, his last and most successful, took place despite him undergoing this sort of experience at the time.

ANSWER: **imprisonment** [or clear equivalents such as being in **jail**; prompt on less specific terms such as confinement or detention or detainment]

[10] Debs may have run in five presidential elections, but this Presbyterian minister and pacifist ran [emphasize] *six* times for the Socialist Party, starting in 1928. In 1937, he formed the Keep America Out of War Congress.

ANSWER: Norman **Thomas**

<US History>

11. This phrase appears for the final time in the poem “Island” just before the lines “Good morning, daddy! / Ain’t you heard,” which bookend a book-length suite titled for its “montage.” For 10 points each:

[10] Identify this two-word thing whose potential to “fester like a sore – / And then run” or “dry up / like a raisin in the sun” is the subject of the poem “Harlem.”

ANSWER: **dream deferred** [prompt on partial answer]

[10] This Harlem Renaissance poet of “The Weary Blues” and “The Negro Speaks of Rivers” wrote a poem asking “what happens to a dream deferred?”

ANSWER: Langston **Hughes** [or James Mercer Langston **Hughes**]

[10] In another poem from *Montage of a Dream Deferred*, Hughes states that this six-word “Motto” is “the reason / I stay alive.”

ANSWER: “**Dig And Be Dug / In Return**”

<Non-Epic Poetry>

12. At its premiere, this opera’s composer insisted on casting the tenor Carlo Guasco in the role of its title bandit, which is intended for a contralto range. For 10 points each:

[10] Name this opera whose third act depicts a visit by Don Carlos to the tomb of Charlemagne. In 1904, it was the first opera to be recorded completely.

ANSWER: ***Ernani***

[10] This composer used a drama by Victor Hugoas the basis of his *Ernani*. This prolific composer of *Otello* and *Rigoletto* is sometimes referred to jokingly as “Joe Green,” a translation of his name into English.

ANSWER: Giuseppe **Verdi**

[10] Verdi also wrote a grand opera titled for this city that centers on the lovers Gaston and Helene. Joseph Haydn’s opera *Armida* is based on a witch from an Italian poem named after this city.

ANSWER: **Jerusalem** [or **Gerusalemme**; accept ***Jerusalem Delivered***]

<Other Art (Opera)>

13. In one thought experiment, this thinker postulated that smell was the sense that contributes the least to human knowledge. For 10 points each:

[10] Name this French advocate of “sensationism,” who postulated a statue that is organized inside like a human but with a soul that has never received an idea.

ANSWER: Étienne Bonnot de **Condillac**

[10] Étienne Bonnot de Condillac distinguished between two different “languages of action” in a 1755 treatise on these beings. Peter Singer has more recently pushed for the “liberation” of these beings through practices like vegetarianism.

ANSWER: **animal**s [accept ***Animal*** *Liberation* or *A Treatise on* ***Animal****s*]

[10] Condillac also wrote in this discipline, which he divided into two phases of progress and decline with his theory of “true price.” R. G. Collingwood wrote a book on “The Idea of” this discipline.

ANSWER: **history** [or *The Idea of* ***History***]

<Philosophy>

14. This “sensitive style” composer’s innovative pieces include a trio sonata titled *A Conversation Between a Cheerful and Melancholy Man*. For 10 points each:

[10] Name this composer whose best-known piece is a C minor *solfeggietto* (“sol-feh-JEH-toh”) for keyboard.

ANSWER: **C**arl Philipp Emanuel **Bach** [or **CPE Bach**; prompt on Bach]

[10] C. P. E. Bach was called the “Berlin” Bach to distinguish him from his prolific brother Johann Christian, who composed in this city. Joseph Haydn’s last symphonies were composed in this city, where the Proms take place.

ANSWER: **London** [accept **London** symphonies]

[10] It’s generally agreed that C. P. E. Bach composed his nine-movement piece with this title for an audition in Berlin in 1749, but it’s unclear for whom. Carl owned both the D and E-flat versions of the J. S. Bach piece with this title, the latter of which omits the Christmas hymns of the former.

ANSWER: ***Magnificat***

<Music>

15. This essay traces its first title concept’s historical progression through “civil,” “political,” and “social” phases. For 10 points each:

[10] Identify this T. H. Marshall essay that claims that in the 20th century, its first title concept, a supposed “principle of equality,” has been at war with its second title concept, a “system of inequality.”

ANSWER: “**Citizenship and Social Class**”

[10] Marshall’s theory of “social citizenship” inspired Nancy Fraser and Linda Gordon’s essay “Contract Versus Charity,” which examines inequalities associated with this characteristic, including an average “pay gap” of roughly twenty percent.

ANSWER: **gender** [or **sex**]

[10] Fraser and Gordon have both published scathing critiques of the methods for closing the gender pay gap proposed in this liberal feminist’s 2013 book *Lean In*.

ANSWER: Sheryl **Sandberg**

<Social Science>

16. The electron temperature, electron density, and electric potential can all be measured in these substances using a Langmuir probe. For 10 points each:

[10] Name these substances, most or all of whose atoms exist in an ionized form. They are sometimes called the “fourth state of matter.”

ANSWER: **plasma**s

[10] The presence of mobile charge carriers in plasmas leads to this reduction in the Coulomb force, in which electric fields drop off exponentially on the scale of the Debye length.

ANSWER: electric-field **screening** [or electrostatic **screening**]

[10] The Debye length is identical to the screening length in the semiclassical model of electrons in solids named for Llewellyn Thomas and this physicist, whose namesake “liquid” describes low-energy excitations of interacting electrons.

ANSWER: Enrico **Fermi** [accept Thomas–**Fermi** model or **Fermi** liquid]

<Physics>

17. This author’s story “Idea for a Short Documentary Film” states, in its entirety: “Representatives of different food products manufacturers try to open their own packaging.” For 10 points each:

[10] Identify this American author of flash fiction, whose third collection of stories, *Samuel Johnson is Indignant*, explains its title with the simple fact “that Scotland has so few trees.” Her other collections include *Varieties of Disturbance*.

ANSWER: Lydia **Davis**

[10] Davis’s wordplay-heavy story “A Mown Lawn” first appeared in the “quarterly concern” of this publishing house founded by Dave Eggers, which also maintains a humor website called its “Internet Tendency.”

ANSWER: **McSweeney’s** [or *Timothy* ***McSweeney’s*** *Quarterly Concern*]

[10] Davis’s story “In a House Besieged” bears significant similarities to this Argentinean author’s story “House Taken Over,” which he included in his collection *Blow-up*. He also wrote the experimental novel *Hopscotch*.

ANSWER: Julio **Cortazar** (“core-TAH-sar”)

<Short Fiction>

18. This technique requires solving the indicial polynomial to find the lowest power present in the solution. For 10 points each:

[10] Name this technique for solving linear differential equations, in which you guess that the solution can be expressed as a power series and then solve term-by-term for the coefficients of that series.

ANSWER: method of **Frobenius** [or **Frobenius** method]

[10] The method of Frobenius is used to solve differential equations of this order. While finding critical points of a function, the sign of the derivative of this order distinguishes local maxima from local minima.

ANSWER: **second** order [or **two**]

[10] The method of Frobenius is typically applied in the neighborhood of a “regular” one of these points. Every isolated point of this type is either essential, natural, or a pole.

ANSWER: **singular** point [or **singularity**]

<Other Science (Math)>

19. Hugh Willoughby led an expedition of this group whose entire crew perished, possibly due to carbon monoxide poisoning. For 10 points each:

[10] Name this trading company that evolved from the Company of Merchant Adventurers after the favorable treatment of Richard Chancellor. After the execution of Charles I, Alexis expelled its members from his realm.

ANSWER: **Muscovy** Company

[10] This tsar welcomed Chancellor to Russia and granted the Muscovy Company trading privileges. As his nickname may suggest, he was less kind to his citizens, sending in the *oprichniki* to attack dissenters in Novgorod.

ANSWER: **Ivan the Terrible** [or **Ivan IV** Vasilyevich or **Ivan Grozny**; prompt on Ivan]

[10] Chancellor landed at this port on the White Sea, which lent its name to the settlement that became Sitka, Alaska. The A-A Line, which marked the end objective of Operation Barbarossa, ran from Astrakhan to this city.

ANSWER: **Arkhangelsk** [or **Archangel**; accept **New Archangel** or **Novo Arkhangelsk**]

<European History post-600>

20. After a character in this play claims that “there are worse things than chastity,” the preacher T. Lawrence Shannon responds, “Yes: lunacy and death.” For 10 points each:

[10] Name this play in which Shannon deals with the fallout of a statutory rape accusation while living in a Mexican hotel.

ANSWER: *The* ***Night of the Iguana***

[10] *The Night of the Iguana* was written by this American playwright of *The Glass Menagerie*.

ANSWER: Tennessee **Williams**

[10] Shannon repeatedly fails to seduce this “totally feminine” character in *The Night of the Iguana*, after shearrives at the hotel with her nonagenarian poet grandfather Nonno.

ANSWER: **Hannah** **Jelkes** [accept either underlined portion]

<Drama>