

## 2023 ACF Regionals

Packet O by the Editors

Edited by Nick Jensen, Alexandra Hardwick, Rahul Keyal, Allan Lee, Tim Morrison, Kevin Park, Grant Peet, Graham Reid, and Chris Sims

Tossups

1. This author used his own blood to write parts of his novella *I Bid You Love Me* as part of a Nietzschean quest for “Self-Ultimacy.” An essay by this author lists forgoing periods for the “vigorous space dash” to imitate a “jazz musician drawing breath between outblown phrases” as one of many “Essentials of” his prose. Truman Capote said, “That’s not writing; that’s typing” in response to this author’s Benzedrine-fueled “spontaneous prose,” which he illustrated by typing his best-known novel on a single 120-foot-long scroll of paper. In that novel by this author, a writer drives with the “holy goof” to Denver and meets the poet Carlo Marx, who is modeled on Allen Ginsberg. For 10 points, what writer catalogued the adventures of Dean Moriarty and Sal Paradise in his novel *On the Road*?

ANSWER: Jack **Kerouac** [or Jean-Louis Lebris de **K rouac**] (The second line refers to “Essentials of Spontaneous Prose.”)

<American Literature>

2. A revolutionary from this country who wrote *Clandestine Poems* called the president of the US its true leader, as quoted in Stephen Dudley’s book on a group based in this country that developed from “Stoners” in Westlake, LA. 25 percent of this country’s population immigrated to areas like Chirilagua in Alexandria and Washington, DC, where they now sustain the construction industry. It’s not Haiti, but in 2001, the US granted temporary protected status to this country’s earthquake victims, who also fled the rivals of “18th Street.” This country’s government, at times led by the ARENA Party, took billions from the US to suppress the FMLN during its 1979-to-1992 civil war. Refugees brought pupusas to the US from this smallest country in the “Northern Triangle.” For 10 points, the gang MS-13 is based in what country in Central America?

ANSWER: El **Salvador** [or Republic of El **Salvador** or Rep blica de El **Salvador**; accept **Salvadoran**-Americans or **salvadore os**; accept **Salvadoran** Civil War or Guerra civil de El **Salvador**; accept Mara **Salvatrucha**] (The first line refers to Roque Dalton and the book *MS-13: The Making of America’s Most Notorious Gang*.)

<American History>

3. Polydentate crown ethers can form stable examples of these species, as studied by Olmstead and Power using low-temperature lithium salts. These species are more stable when substituted with second or higher row elements due to d-orbital effects, while substituents with lone pairs destabilize them. These species are typically the conjugate bases of weak acids, but they are also formed in solutions of triflic acid. Organolithium reagents are sometimes referred to as these species because donated electron density centers on one of their eponymous atoms. These highly nucleophilic species normally contain a trivalent atom with eight valence electrons. These species can be produced by deprotonation of organic compounds. For 10 points, name these chemical species with a negatively charged carbon atom.

ANSWER: **carbanions** [prompt on anions; prompt on nucleophiles until read]

<Chemistry>

4. In a piece of this type dedicated to Caroline Esterházy, a fugue based on the initial dotted minor theme is followed by a full bar's rest. Brahms grouped seven pieces of this type in a late-in-life burst of solo piano composition as his Opus 116. A piece of this type opens with repeated C major chords in a "long, short-short" rhythm before a fast rising C major arpeggio. This is the [emphasize] *first* type of piece named in the title of a posthumously-published work that opens with octave G-sharps in the left hand and whose virtuosic main theme begins with a downbeat sixteenth rest. An F minor piece of this type for piano four-hands was composed by Schubert, who also declared "the devil may play it" in reference to his piece of this type nicknamed *Wanderer*. For 10 points, the posthumous title of a C-sharp minor piece by Chopin pairs an "Impromptu" with what type of piece that evokes the imagination? ANSWER: **fantasy** [or **fantasia** or **fantasie** or **fantaisie**; accept ***Fantaisie-Impromptu*** or ***Fantazja-Impromptu***; accept *Wanderer Fantasy* or **Fantasia** in C major; accept **Fantasy** in F minor or **Fantasia** in F minor; accept ***Fantasiën*** or ***Fantasies***]

<Classical Music>

5. A future ruler of this empire is sent on a bellerophontic errand with a bronze mirror, but a god saves him from being melted down by a blacksmith. A ruler of this empire fights the birdlike umman-manda in the Cuthean Legend, a didactic narû text. Epics portrayed a ruler of this empire "in foreign lands," as a "conquering hero," and as the "king of battle" who subjugates Purushanda. This empire's fall to "doglike" nomads was blamed on a "curse" incurred by a devotee of the moon god who commissioned a victory stele. In a "birth legend," a gardener discovers this empire's founder as a baby in a reed basket, after which he becomes the cupbearer to Ur-Zababa, king of Kish, and defeats Lugal-zage-si with the blessing of Inanna. For 10 points, Enlil gave kingship to what empire's rulers Narām-Sîn and Sargon?

ANSWER: **Akkadian Empire** [or **Akkad**, **Agade**, **Akkadê**, māt **Akkadi**, or **a-ga-de**; accept Sargon of **Akkad** or Šarrugi of **Akkad**; accept Narām-Sîn of **Akkad**; accept "Curse of **Agade**"] (The supposedly "doglike" people were the Gutians.)

<Mythology>

6. A statement named for this type of operation uses the formula "the conjugate of  $f$  of the conjugate of  $z$ " to produce an analytic continuation of  $f$  to the whole complex plane. A formula named for this type of operation relates the distribution of the maximum of a Brownian motion [emphasize] *up to* time  $t$  to its distribution [emphasize] *at* time  $t$ . One of these operations is denoted by a lowercase  $s$  in a dihedral group, in which composing two distinct ones does not give another of them. In two dimensions, these operations are characterized by having a determinant of negative one and being orthogonal. The graph of an even function is invariant under one of these operations. Composing two of these operations gives a rotation. For 10 points, name this type of map that sends a point to its mirror image about an axis.

ANSWER: **reflection** [or word forms such as **reflecting**; accept **reflection** principle or Schwarz **reflection** principle; accept **reflection** about the  $y$ -axis]

<Other Science>

7. *Description acceptable.* A holder of this position during the Ogiso (“oh-GHEE-so”) period supposedly renounced this post after declaring his realm to be a “land of vexation.” The uzama elders often clashed with holders of this position by refusing to hold the Igue (“ee-GOO-ay”) Festival. This position was legendarily usurped with the help of a magical bag by Ewuare (“ay-woo-arr-ay”) the Great, who built a series of moats and walls around his capital.

Another holder of this position subjugated the Igala people with military guidance from his mother Idia, who is the subject of many bead-adorned ivory masks. Harry Rawson’s punitive expedition of 1897 burned down the palace built for holders of this position, from which the British stole thousands of bronze plaques. For 10 points, identify these Edo-speaking leaders of a kingdom that indirectly names a country to the west of Nigeria.

ANSWER: **Obas** of Benin [or **Obas** of Edo; accept **rulers** of **Benin** or **kings** of **Benin** or **leaders** of **Benin**; accept **rulers** of **Edo** or **kings** of **Edo** or **leaders** of **Edo** until “Edo” is read; reject “Obas of Lagos” or “Obas of Ilé-Ifè” or “Obas of Akure”]

<World History>

8. A splinter group of writers in this literary movement joined a magazine styled as a “war machine against received ideas” and titled *Documents*. An author in this movement wrote that “you are no longer trembling, carcass” and described this movement as an “invisible ray” in a theoretical work that responded to Yvan (“EE-van”) Goll. A novel from this movement uses block capitals to claim that “Beauty will be CONVULSIVE or will not be at all.” In a play from this movement, Thérèse (“tay-REZZ”) becomes a general in Zanzibar after her breasts float away like balloons. *Nadja* is a novel from this movement, whose name was coined in the subtitle of the play *The Breasts of Tiresias* by Guillaume Apollinaire. For 10 points, what literary and artistic movement was defined in several manifestos written by André Breton?

ANSWER: **Surrealism** [or **Surréalisme** or **Surrealists** or **Surréalistes**; prompt on **Modernism** or **Modernists**]

<European Literature>

9. A “principle” named for this concept is traced to the principle of bivalence in Susanne Bobzien’s best-known book on Stoic philosophy. A philosophical “reserve clause” acknowledges either God or this concept, which is equated with character in a maxim attributed to Heraclitus. Cicero’s treatise on this concept preserves Chrysippus’s “lazy argument” refuting this concept’s existence. In the Myth of Er, deities that personify this concept rest on the knees of their mother, the goddess Necessity, and turn her spindle. Friedrich Nietzsche gave his “formula for human greatness” as the love, or “amor,” of this concept. A stance named for this concept is often conflated with a resigned outlook to the future. For 10 points, three goddesses in ancient Greece personified what inevitable course of events?

ANSWER: **fate** [or word forms such as **fatalism**; accept **destiny** or **predestination** or **lot**; accept the **Fates** or **Moirai**; accept *amor fati* or love of **fate**; accept *De Fato*; accept **heimarmene**; prompt on **determinism** or **predetermination**] (Susanne Bobzien’s book is *Determinism and Freedom in Stoic Philosophy*. Heraclitus’s maxim is “A man's character is his fate.”)

<Philosophy>

10. Deborah Talbot's book on "regulating" this thing traces the British commercialization of its "economy" in the 1990s from criminalized West Indian shebeens. The Basin & Range Cooperative protects this thing, which names a series of 2020 demolitions that evicted hundreds from Ruai near Nairobi. Paul Bogard's book on "The End of" this thing laments the increasingly rare ratings of class one or two on the Bortle scale measured in parks like Natural Bridges. In 2020, the country of Niue ("n'YOO-ay") became this thing's first nationwide preserve. Amsterdam and Cali, Colombia, pioneered the recent trend of managing this thing with a namesake "mayor." The rallying cry to "reclaim" or "take back" this thing inspired several vigils against sexual assault. For 10 points, entertainment options like clubs are often called what period's "life"?

ANSWER: the **night** [or **nighttime**; accept **darkness**, **lightlessness**, **evening**, **dusk**, or **twilight**; accept **nightlife** or **nightclubs** or **nighttime economy**; accept **night** sky or **dark** sky preserves; accept Take Back the **Night** or Reclaim the **Night**; accept **night** mayor or **Nacht**burgemeester; accept **night** demolitions or **curfew** demolitions; accept *The End of **Night*** or *Regulating the **Night***; prompt on the sky or stars or constellations]

<Current Events>

11. Oxford musicologist Laurence Dreyfus created a "time machine" of this opera to study its 14 main themes. Lucien Cailliet arranged a chromatic "Procession to the Cathedral" at the end of this opera's second act into a popular wind ensemble piece. A famous excerpt from this opera begins with a perfect fourth motif and praises "Triumphant courage, the reward of love." In this opera's first act, the female protagonist describes her dream of a champion in the aria "Einsam in trüben Tagen" when King Henry the Fowler comes to Brabant and mediates her trial by combat. This opera's title knight kills Telramund after his new wife Elsa states the forbidden question, which is asking for his name. For 10 points, what Richard Wagner opera features a "Bridal Chorus" about the title "Knight of the Swan"?

ANSWER: ***Lohengrin***

<Other Fine Arts>

12. In a novel set in this city, the unnamed narrator repeatedly draws a cypress tree, an old man, and a girl on papier-mâché pen cases. Another book set in this city begins with the narrator reminding her students never to turn fiction into "a carbon copy of real life" and refusing to let a male student attend a seven-student discussion group. This city is the setting of *The Blind Owl* and a "memoir in books" whose sections include "James" and "Gatsby." In another book, a missile strike in this city kills the Baba Levy family. Nima falls to his death in this city while fleeing the police in an autobiographical section titled "The Story of a Return." A book titled "Reading Lolita in" this city was written by Azar Nafisi. For 10 points, what Asian city is the setting of the first part of Marjane Satrapi's graphic novel *Persepolis*?

ANSWER: **Tehran** [accept **Ravy**; accept *Reading Lolita in **Tehran*** or *Reading Lolita in **Tehran**: A Memoir in Books*; reject "Persepolis"]

<World Literature>

13. Lyddane, Sachs, and Teller name a relation between the frequency of two types of these excitations, which is valid when they are associated with a net polarization density. Scattering between these excitations and boundaries can reduce thermal conductivity, as calculated in the Casimir limit where these excitations scatter diffusively. Matthiessen's rule can be used to combine the effect of these excitations on carrier mobility with effects due to impurities. When these excitations have neighboring atoms out of phase, they are called optical, in contrast to their acoustic type. These excitations are the basis of the Einstein and Debye ("duh-BYE") models for the heat capacity of solids. For 10 points, name these quantized lattice vibrations.

ANSWER: **phonons** [accept optical **phonons** or acoustic **phonons**]

<Physics>

14. A major sociological text from this country contrasts societies analogized to the ripples from a pebble with ones likened to bundles of straw; that book is *From the Soil*. This country is home to a matriarchal ethnicity related to the Nalkhi people, whose spouses primarily cohabit with their extended families in “walking marriages.” A trade-off between the historical development of this country’s regions is analyzed in *The Making of a Hinterland* by Kenneth Pomeranz. After reading *The Limits to Growth*, a scientist from this country advocated a 1979 policy that has resulted in the “4-2-1” problem and “Little Emperor syndrome.” For 10 points, name this country whose rural areas have suffered as a result of the hùkǒu residency system but were largely exempt from its one-child policy.

ANSWER: **China** [or People’s Republic of **China** or **PRC**; or **Zhōngguó** or **Zhōnghuá Rénmín Gònghéguó**] (The second line refers to the Mósuō people.)

<Social Science>

15. *Note to moderator: Read the answerline carefully.*

These objects formed an egg-like shape at Wurdi Youang. Khirigsuur were surrounded by “belted” examples of these objects whose sections may represent the sky, the dead, and the living world of deer. Wood, flags, and these objects make up typical Mongolian shrines called ovoos (“aw-waw”). David G. Kendall tested if these objects connected ley lines. These objects include anthropomorphic balbals that surround steppe kurgans, and ahu that mark the borders of Polynesian marae (“mah-RYE”). Small examples of these objects were “chambered,” while larger ones were arranged into dolmens, to mark passage graves. The Inuit create piles of these objects called inuksuk (“ee-NUCK-suck”) that resemble cairns. For 10 points, Leviticus orders the throwing of what objects to execute those who sacrifice children to Moloch?

ANSWER: **stones** [or **rocks** or **pebbles** or **boulders**; accept **stoning** or **lapidation**; accept megal**liths**, mono**liths**, standing **stones**, **stone** circles, **menhirs**, **stelae**, **gravestones**, **slabs**, or deer **stones**; accept **granite** or sand**stone** or **basalt**; accept **cairns**, **inuksuk**, **ahu**, or **ovoo** until each is read; prompt on **graves**, **burials**, **tombs**, **tumuli**, **kurgans**, **sepulchers**, **henges**, or **funerary** monuments until “graves” is read by asking “marked by what objects?”]

<Religion>

16. Landowners in this kingdom were required to mobilize one mounted archer for each set of twenty plots of land in the *militia portalis* system. In this kingdom, the condottiere John Jiskra supported an early standing mercenary force that organized units into *banderium*. This kingdom’s defeat at the Battle of Posada allowed Basarab I to declare an independent state. To form defensive buffers on its southern border, this kingdom developed “banats.” While fleeing from Suleiman the Magnificent, a ruler of this kingdom drowned due to the weight of his armor. Another ruler of this kingdom employed the “Black Army.” At the time, historians criticized this kingdom’s general Pál Tomori for the death of Louis II at the Battle of Mohács (“MO-hotch”). For 10 points, name this kingdom ruled by Matthias Corvinus.

ANSWER: **Hungary** [or Kingdom of **Hungary**; or **Magyar** Királyság; or Regnum **Hungariae**] (Basarab I ruled the first independent Wallachian state.)

<European History>

17. *Description acceptable.* Flawed examples of these works can seem like “only small beer” rather than “a drink dark and bitter” according to an essay that opens by lamenting how “no defense is usually offered” for writing them. Hugh Magennis’s book-length study of these works contrasts the “differentness” of Michael Alexander’s with the accessibility of Edwin Morgan’s and Burton Raffel’s. An ultramodern one of these works from 2020 by the author of *The Mere Wife*, Maria Dahvana Headley, opens with the exclamation “bro!” One of these works from 1999 uses “hall-watcher” and “ring-giver” as kennings and “so” in place of the opening word “hwæt” (“hwat”). For 10 points, Seamus Heaney produced an acclaimed work of what type that renders an Old English poem about a hero of the Geats (“GAY-ahts”) into English?

ANSWER: translations of **Beowulf** [or equivalents such as English versions of **Beowulf**; prompt on translations or word forms or equivalents by asking “of what work?”; prompt on epic poems by asking “which one?”] (The first sentence quotes “On Translating *Beowulf*” by J. R. R. Tolkien.)

<British Literature>

18. A former fuller who claimed to be part of this dynasty won a major battle against the praetor Thalna. An alliance against this dynasty was formed by Chremonides with help from Areus. Lamia of Athens was the mistress of a ruler of this dynasty who established a claim to Corcyra through a dowry. That ruler of this dynasty was called “the Besieger” and married Lanassa, the wife of a ruler killed by a roof tile in Argos. Quintus Caecilius Metellus received his *agnomen* by defeating this dynasty’s ruler Andriscus at the Second Battle of Pydna. This dynasty lost the Battle of Ipsus, ensuring the dissolution of the Argeads’ empire. The founder of this dynasty was nicknamed for his facial injury. For 10 points, what dynasty based in Macedonia fought the Ptolemaic and Seleucid states in wars after the death of Alexander the Great?

ANSWER: **Antigonid** dynasty [or **Antigonids**; prompt on Macedonians until “Macedonia” is read; prompt on Antigonus I Monophthalmus or Antigonus the One-Eyed] (Demetrius I “the Besieger” had a relationship with Lamia and married the wife of Pyrrhus of Epirus.)

<Other History>

19. This structure contains most cells that are exposed to compounds like thaumatin or denatonium to test the “labeled-line” and “across-fiber” models. Like intestinal tuft cells, type II cells on this structure transduce signals with the G-protein alpha-subunit GNAT3 and TRPM5. The apical sides of circumvallate and foliate protrusions on this structure express CD36, a long-chain receptor. It is a myth that a single allele allows this structure’s manipulation by the four intrinsic muscles. It’s not the neck, but ODTs may be administered below this structure, whose fat exacerbates sleep apnea. The styloglossus retracts this structure, whose papillae express sensory receptors for compounds like aspartame and monosodium glutamate. For 10 points, what organ senses umami and bitter with thousands of taste buds?

ANSWER: **tongue** [accept **taste** buds, type II **taste** receptors, **TASRs**, or **taste** cells until “taste” is read; accept soft **palate**; accept **lingual** papillae; accept **tongue** rolling; accept **sublingual** administration; prompt on mouth, throat, oral cavity, or oropharynx] (GNAT3 is a component of gustducin. CD36 is a candidate taste receptor for fat. ODTs are orally disintegrating tablets.)

<Biology>

20. A proverb about the “eyes” of this material inspired an artist to form concrete pools along the Niagara River for her piece *Hydra’s Head*. A 1968 exhibition at the Dwan Gallery named for this material’s “works” illustrated “entropy” with a piece in which Michael Heizer removed it to create a “Double Negative.” Body-shaped depressions were burned and carved into this material for the *Silveta* series by Ana Mendieta. Maya Lin’s *Eleven-Minute Line* and “wavefields” mimic an Ohio site where this material is shaped to resemble a “Great Serpent.” This material was arranged into a spiral-shaped formation for a site-specific work by Robert Smithson located in Utah’s Great Salt Lake. For 10 points, what natural material names an environmentally-conscious art movement?

ANSWER: **land** [or **earth**, **soil**, **dirt**, or **ground**; accept **rock** or sandstone or **mud**; accept **land** art or **Earth** art or **Earthworks**; prompt on Great Serpent **Mound** by asking “what material is the mound made of?”] (The first artist is Nancy Holt, who was inspired by the Seneca proverb “pools of water are the eyes of the earth.” The penultimate line refers to *Spiral Jetty*.)

<Painting/Sculpture>

21. A pejorative term for these people titles Kathryn Gin Lum’s history of “religion and race,” which notes its adoption by Wong Chin Foo. These title people are compared to “a wee child toddling in a wonder world” in an essay on why Zitkála-Šá (“zit-KAH-lah SHAH”) is one of them. Ronald Hutton notes that the name of these people may derive from Roman districts rather than meaning “rustic” in his book on modern movements that claim to revive their practices, titled *The Triumph of the Moon*. Margaret Murray’s discredited hypothesis that these people’s beliefs survived as an early modern cult of the “horned god” inspired Gerald Gardner’s writings on the “New Forest coven.” This term is prefixed by “neo” to describe modern religions like heathenry and Wicca. For 10 points, what term groups disparate strands of pre-Christian polytheism?

ANSWER: **pagans** [or **paganism** or **pāgānus** or **pāgānī**; accept neo-**pagans**; accept **heathens**, **heathenism**, **heathenry**, or “Why Am I a **Heathen**?” until “heathenry” is read; accept “Why I am a **Pagan**”; prompt on **polytheists**, **unbelievers**, **non-believers**, **non-Christians**, **pre-Christians**, or equivalents of each; prompt on **witches** or **witchcraft** by asking “claimed to be part of what broad religious group?”; prompt on **Wiccans** by asking “Wiccans situate their witchcraft within what broad religious tradition?”; reject “atheists” or “agnostics”]

<Religion>

## Bonuses

1. Denys Turner's book on this author as a "theologian" discusses his adaptation of Bernard of Clairvaux's mystical ascent in a text influenced by Alain de Lille and Pseudo-Dionysius. For 10 points each:

[10m] Name this author who inspired Father Paul Pearson's "spiritual direction" trilogy. Thomas Merton's *The Seven Storey Mountain* is titled in reference to this medieval author, whose cosmology adapted the concept of the Empyrean.

ANSWER: **Dante** [or Dante **Alighieri**; or Durante di Alighiero degli **Alighieri**; accept *Spiritual Direction from Dante*; accept *Dante the Theologian*]

[10e] Mark Vernon's spiritual guide to the *Divine Comedy* discusses Dante's unusual choice to populate this place in Hell's first circle with virtuous pagans and apathetic souls. Catholics put unbaptized infants in this place, not purgatory.

ANSWER: **limbo** [or **limbus**; accept **limbus** puerorum or **limbus** infantium]

[10h] Dante departs starkly from medieval theological views of this "upper limbo" occupied by righteous Jews who await the Harrowing of Hell. The scriptural basis for this place is the parable of the rich man and Lazarus.

ANSWER: **bosom** of **Abraham** [or **Abraham's bosom**; or **sinus Abrahæ**; or **Bosom** of **Abraham**, Isaac and Jacob; or limbo of the **fathers**, limbo of the **patriarchs**, limbus **patrum**, or limbus **patronum**; accept **refrigerium** interim; prompt on **Sheol** or **She'ol**]

<Religion>

2. In a precursor to Google Street View, an artist took thousands of photographs of this street by mounting a motorized camera on his pickup truck. For 10 points each:

[10m] Name this street whose namesake "strip" was photographed extensively by Ed Ruscha ("roo-SHAY"). This street contains the Beverly Hills Hotel and was a hotspot of the Googie architecture movement.

ANSWER: **Sunset Boulevard** [prompt on **Sunset Strip** by asking "what larger street is it a part of?"]

[10h] Douglas Haskell coined the name of the Googie movement after seeing one of these buildings on Sunset Boulevard designed by John Lautner. Eldon Davis is known for designing buildings of this type such as Pann's.

ANSWER: **coffee** shops [prompt on **diners** or **restaurants** or **cafés**]

[10e] This architect designed a controversial glass complex at 8150 Sunset Boulevard that is currently under construction. This architect earlier designed the Walt Disney Concert Hall for the Los Angeles Philharmonic.

ANSWER: Frank **Gehry** [or Frank Owen **Gehry** or Frank Owen **Goldberg**]

<Other Fine Arts>



3. Answer the following about ghostly women you don't want to meet on a Caribbean vacation, for 10 points each.  
[10e] After she dies during this process, the Guyanese ("guy-uh-NEEZ") churile ("choo-RYLE") becomes a grieving spirit who haunts other women. Bahamians use goatweed to ease this process, which Leto performs on the floating island of Delos.

ANSWER: child**birth** [or giving **birth**, **delivery**, **labor**, or equivalents; accept **C-section** or **Caesarean** section; prompt on **pregnancy**, **motherhood**, **maternity**, or **maternal** mortality; prompt on having **children**, **reproduction**, **procreation**, **fertility**, **fecundity**, or equivalents] (Leto is the mother of Apollo and Artemis.)

[10m] The Dominican ("dah-mih-NEE-kin") river protector Mama D'Leau ("d'loh") shapeshifts into this animal, which is tattooed on a beautiful woman who kills her seven lovers called the saapin. Mami Wata holds these animals, which form the skirt of Cōātlīcue ("koh-aht-LEE-kway").

ANSWER: **snakes** [or **serpents** or **Serpentes**; accept **cobras** or other specific snakes; accept **nagas**; prompt on **reptiles** or **squamates**]

[10h] This chronicler of Creole culture wrote down legends of La Diabliesse ("jah-BLESS"), a seductive cloven-hoofed demoness from Martinique and Grenada ("gruh-NAY-duh"). This Greek-born author collected Japanese stories of ghosts like the Yuki-onna in *Kwaidan*.

ANSWER: Lafcadio **Hearn** [or Patrick Lafcadio **Hearn** or Patrikios Lefkádios **Chérn** or Pádraig Lafcadio **O'hEarain**; or **Koizumi** Yakumo or Yakumo **Koizumi**]

<Mythology>

4. Answer the following about poems included in Lisel Mueller's Pulitzer-Prize-winning collection *Happy Together*, for 10 points each.

[10e] In a poem, Mueller references mentions of this stuff in Elinor Wylie's "Velvet Shoes" and James Joyce's "The Dead." A speaker with "miles to go before [he]" sleeps watches "woods fill up" with this stuff in a poem by Robert Frost.

ANSWER: **snow** [accept "Stopping by Woods on a **Snowy** Evening"] (The first poem is "Not Only the Eskimos.")

[10h] *Exact word required.* Mueller's "Curriculum Vitae" says her mother's death did this to her. Her line paraphrases W. H. Auden's "In Memory of W. B. Yeats," which claims Yeats's poetry came from "Mad Ireland" doing this to him.

ANSWER: **hurt** them into writing poetry [or **hurt** them into poetry; accept "Mad Ireland **hurt** you into poetry"; accept "The death of the mother **hurt** the daughter into poetry"]

[10m] In another poem, Mueller listed "because our children believe / they can fly" as a reason we do this action. Joan Didion's essay "The White Album" opens by proclaiming we do this action "in order to live."

ANSWER: **tell stories** [or **storytelling** or word forms; accept "**tell** ourselves **stories**"; accept "Why We **Tell Stories**"]

<American Literature>

5. Theories with this property do not have Landau poles. For 10 points each:

[10h] Name this property that is present for theories with a negative beta function, meaning their coupling constant decreases to zero at high momentum transfer.

ANSWER: **asymptotic freedom**

[10m] The beta function describes how the coupling constant changes with one of these transformations, indicating asymptotic freedom at high energy scales. These transformations scale up or down the length and energy scales of the theory and are used to remove the infinite effect of self-interactions.

ANSWER: **renormalization** [accept **renormalization** group transformation]

[10e] This gauge theory, which describes interaction between particles with color charge, has asymptotic freedom, allowing for perturbative calculations at higher energy. This theory describes the strong force that binds protons and neutrons into nuclei.

ANSWER: **quantum chromodynamics** [or **QCD**; reject “quantum electrodynamics” or “QED”]

<Physics>

6. While in prison, this author meditated on his poetry in the poem “Ballade of Unfaithful Lovers.” For 10 points each:

[10h] Name this poet who described his imprisonment in *The True Confessions of an Albino Terrorist*. Along with Ingrid Jonker, this author was involved in a dissident literary movement whose name means “The Sixtiers.”

ANSWER: Breyten **Breytenbach**

[10m] Another member of the Sestigers, André Brink, depicted the sale of one of these locations in the novel *Rumours of Rain*. In another novel, Jacobus finds a dead body at one of these locations owned by Mehring.

ANSWER: **farms** [accept any specific type of **farm**; accept **farm**land or **agricultural** land or **plantations**]

[10e] This author depicted racial tensions on Mehring’s farm in *The Conservationist*. This South African author also imagined the end of apartheid in her novel *July’s People*.

ANSWER: Nadine **Gordimer**

<World Literature>

7. A man from the Onion Valley wrote the commentary *Ocean of Reasoning* in this language, whose Classical form and the related East Bodish (“BODE-ish”) languages descended from its Old form. For 10 points each:

[10m] Name this language standardized by King Tridé Songtsen (“tree-DAY song-tsen”) in the early 9th century. An advisor to Kublai Khan designed the ’Phags-pa (“pogs-puh”) script using this language, another version of which was used by scholars of the Gelug school.

ANSWER: **Tibetan** [accept Old **Tibetan**; accept Classical **Tibetan**; accept specific dialects, such as Lhasa **Tibetan**, Central **Tibetan**, Ü-Tsang **Tibetan**, Amdo **Tibetan**, or Khams **Tibetan**; prompt on **Tibetic** languages; prompt on **Sino-Tibetan** languages] (The man from the Onion Valley, Je Tsongkhapa, founded the Gelug school.)

[10e] Trisong Detsen established Tibet’s Nyingma school after he used Old Tibetan to translate scriptures like the *Perfection of Wisdom Sūtra* from this “greater vehicle” of Buddhism.

ANSWER: **Mahāyāna** Buddhism

[10h] A 17th-century Tibetan monk named Zaya Pandita modified the Mongolian script to develop these people’s Clear Script. The Dzungars (“zun-gars”) of Galdan Khan were descended from tribes of these people who settled in the Altai region.

ANSWER: **Oirats** [or **Oirads** or **Oirds**; accept **Eleuths**; accept **Wälā**; accept **Koshut** or **Torghut** or **Dörbet**; prompt on Western **Mongols** or **Mongolic** peoples; prompt on **Kalmyks**, **Kalmyki**, **Xal’mgud**, or **Halimaguud** by asking “what historical ethnic group did they descend from?”]

<World History>

8. Unlike French, English distinguishes between the simple present and present continuous examples of this category. For 10 points each:

[10e] Name this grammatical category whose examples include pluperfect and future. Verbs use this concept to indicate the time when an event happens.

ANSWER: **tenses** [accept examples such as future **tense**]

[10m] In many languages, this category expresses the difference between the simple present and present continuous. Perfective and imperfective are examples of this category, which forms the “A” between tense and mood in the T-A-M system.

ANSWER: **aspect** [or grammatical **aspect**]

[10h] Verbs in this language group have a notoriously complex aspect system, using verb pairs that add the prefix “*po-*” (“*puh*”) to mark the perfective aspect. The most widely-spoken language in this group forms the future tense using the auxiliary verb *byt’* (“*beet*”).

ANSWER: **Slavic** languages [or **Slavonic**; accept East **Slavic** or West **Slavic** or South **Slavic**; accept Balto-**Slavic**; accept **Lechitic**; prompt on **Russian**, **Polish**, **ruskiy**, or **polski** by asking “what group of Indo-European languages does it belong to?”; reject “Baltic languages”]

<Social Science>

9. This Whig politician criticized content in the educational McGuffey Readers as unsuitable for children and founded the first American public school in Lexington. For 10 points each:

[10m] Name this main proponent of the Common School movement, which was a precursor to the modern public school system. Edward Everett appointed this man the first secretary of the Massachusetts Board of Education.

ANSWER: Horace **Mann**

[10h] Late in life, Mann served as the first president of the reformist Antioch College in this state. The Tappan brothers bankrolled a liberal arts college in this state that has admitted Black and female students since the 1830s.

ANSWER: **Ohio** [or **OH**] (The liberal arts college is Oberlin College.)

[10e] A member of this family adhered to the Common School movement and penned a series of essays urging female opposition to the Indian Removal Act. This New-England-based abolitionist family armed free soilers with their namesake “Bibles” during “Bleeding Kansas.”

ANSWER: **Beecher** family [accept Henry Ward **Beecher**; accept Catherine **Beecher**; accept “**Beecher**’s Bibles”] (“Beecher’s Bibles” were actually rifles.)

<American History>

10. In 1917, Constantin von Economo described an unusual form of this condition that paralyzed patients with “sleeping sickness” for decades, inspiring Oliver Sacks’s book *Awakenings*. For 10 points each:

[10h] Name this condition that can result from autoimmune reaction to the NMDA receptor or infection with the La Crosse arbovirus. A “sclerosing” type of this condition is a rare but severe complication of measles infection.

ANSWER: **encephalitis** [accept pan**encephalitis**; accept **encephalitis** lethargica; accept subacute sclerosing pan**encephalitis** or **SSPE** or **Dawson** disease; accept meningo**encephalitis**; accept **encephalomyelitis**; accept **inflammation** of any of the following: **brain**, **meninges**, **spinal cord**, **CNS**, or **central nervous system**; prompt on **inflammation** or word forms]

[10e] Japanese encephalitis virus is related to this flavivirus that caused occasional encephalitis, as well as fetal microcephaly, in an epidemic during the 2016 Rio Olympics.

ANSWER: **Zika** virus [or **ZIKV**]

[10m] The Baltimore scheme groups Zika with other single-stranded RNA viruses whose genomes are positive in this trait, which refers to the directionality of coding information. It is prefixed by “anti” in oligonucleotides that target their complements.

ANSWER: **sense** [accept positive **sense**; accept antis**ense** or negative **sense**; accept antis**ense** oligonucleotides; prompt on **ASOs** by asking “what does that stand for?”]

<Biology>

11. A chapter by Elizabeth V. Spelman takes issue with this book’s analogy to how “in America there is no Negro problem, but rather a white problem” to criticize its author’s exclusionism. For 10 points each:

[10m] Name this book that has been criticized by Kathryn Sophia Belle for appropriating the master–slave dialectic in framing a group as the “Other.” This book is divided into the volumes *Facts and Myths* and *Lived Experience*.

ANSWER: *The **Second Sex*** [or *Le **Deuxième Sexe***] (by Simone de Beauvoir)

[10e] Critiques of *The Second Sex* for its race–gender analogy often draw on this framework introduced by Kimberlé Crenshaw, which emphasizes how various forms of oppression can interact.

ANSWER: **intersectionality**

[10h] This text quotes de Beauvoir’s claim that “our strength to live” must come from “the genuine conditions of our lives” to encourage intersectional feminism. This text addresses the “academic arrogance” of a conference on *The Second Sex* at which it was first delivered.

ANSWER: “The **Master’s Tools Will Never Dismantle the Master’s House**” (by Audre Lorde)

<Philosophy>

12. One of these artists wears an unsettling, distorted headpiece crafted by the other in a photo by Kati Horna. For 10 points each:

[10h] Name these two artists who, along with Horna, formed the “three witches” profiled in the 2010 book *Surreal Friends*. Their art often drew on alchemy and the occult, and featured motifs such as tiled checkerboard floors.

ANSWER: Remedios **Varo** AND Leonora **Carrington** [accept answers in either order; accept María de los Remedios Alicia Rodriga **Varo** y Uranga in place of “Remedios Varo”; accept Mary Leonora **Carrington** in place of “Leonora Carrington”]

[10e] The émigrés Varo and Carrington pranked friends, played exquisite corpse, and brewed Surrealist potions after moving to this capital city. Its Blue House was the home of Frida Kahlo.

ANSWER: **Mexico City** [or **Ciudad de México**; or **CDMX**; or **Āltepētl Mēxihco**; prompt on **Distrito Federal** or **DF**]

[10m] Three small women may symbolize Carrington, Varo, and Horna in Carrington’s painting of a giantess “guarding” this object. A flower emerges from one of these objects clutched by a hand in Salvador Dalí’s *The Metamorphosis of Narcissus*.

ANSWER: **eggs** [accept *The Giantess (The Guardian of the **Egg**)*]

<Painting/Sculpture>

13. In a dedication to his wife Stella Bowen, an author described how he had intended this phrase to title his “best book” but was urged otherwise by his publisher due to its association with “the darkest days of war.” For 10 points each:

[10h] Give this two-word superlative, which appears in the first sentence of a novel subtitled “A Tale of Passion” before a description of a stay in Nauheim, where the narrator’s wife feigns heart disease to conceal her affair.

ANSWER: the **saddest story** [accept “This is the **saddest story** I have ever heard”]

[10m] The line “this is the saddest story I have ever heard” opens this author’s 1915 novel about the Dowells and the Ashburnhams. This author also wrote the *Parade’s End* tetralogy.

ANSWER: Ford Madox **Ford** [or Ford Madox **Hueffer**; or Ford Hermann **Hueffer**; or Joseph Leopold **Ford** Hermann Madox Hueffer] (The unnamed novel is *The Good Soldier*.)

[10e] Arthur Mizener’s biography *The Saddest Story* reads the character Florence Dowell as inspired by Ford’s affair with Violet Hunt, who also inspired the adulterer Norah Nesbit in this author’s novel *Of Human Bondage*.

ANSWER: W. Somerset **Maugham** [or William Somerset **Maugham**]

<British Literature>

14. Two “Acts of Navigation” declared during a conference in this city used the Rhine and Danube rivers as a model for how trade should be conducted along the Congo and Niger. For 10 points each:

[10e] Name this city that was the site of an 1885 conference whose General Act created a personal territory for the Belgian king Leopold II.

ANSWER: **Berlin** [accept **Berlin** Conference; reject “Congress of Berlin”]

[10h] The General Act outlined this two-word method by which European powers could exercise sovereignty over the African continent. This method allowed for European powers to acquire colonial possessions merely by having an administrative presence in the general vicinity of the territory in question.

ANSWER: **effective occupation** [reject “indirect rule”]

[10m] The British attempted to strengthen control over their inland African possessions by constructing this infrastructure project envisioned by Cecil Rhodes, although it was never completed.

ANSWER: **Cape to Cairo** Railway [or **Cape to Cairo** Railroad]

<Other History>

15. These things may form due to *in-situ* reactions in which a former stereocenter becomes achiral. For 10 points each:

[10m] Name these optically inactive mixtures composed of equal quantities of left- and right-handed enantiomers.

ANSWER: **racemic** mixture [or **racemates**]

[10e] This drug, which was marketed for morning sickness in the 1950s, is prepared as a racemic mixture, with the R-enantiomer having a desired sedative effect but the S-enantiomer causing severe birth defects.

ANSWER: **thalidomide** [or alpha-**phthalimidoglutarimide**; prompt on **Contergan** by asking “what is the generic name?”]

[10h] This type of drug is derived from a racemic drug in which one component provides most of the desired effects. These enantiopure drugs have reduced metabolic load or side effects compared to their racemic equivalents.

ANSWER: **chiral switch** drugs

<Chemistry>

16. Answer the following about pieces commissioned by the Cliburn Piano Competition over its history, for 10 points each.

[10e] For the 1980 competition, this American composer wrote his late piece *Touches*, which he described as inspired by Copland's *Piano Variations*. This composer also wrote *West Side Story*.

ANSWER: Leonard **Bernstein** [or Louis **Bernstein**]

[10h] This British pianist and composer composed a *Fanfare Toccata* for the 2022 competition. His 2019 essay collection *Rough Ideas* explores, among various musical topics, his identity as a gay Catholic.

ANSWER: Stephen **Hough** (“huff”) [or Stephen Andrew Gill **Hough**]

[10m] A “Ghost Mazurka” is among the nine pieces of this type written by William Bolcom for the 1997 competition. Examples of this type of short piano piece include Beethoven's *Für Elise* and Liszt's one “without tonality.”

ANSWER: **bagatelles** [accept **Bagatelle** without Tonicity or **Bagatelle** sans tonalité]

<Classical Music>

17. Answer the following about card games in Russian short fiction, for 10 points each.

[10e] This author created the gambler Hermann, who loses everything after betting on the title card in “The Queen of Spades.” This 19th-century author also wrote *Eugene Onegin*.

ANSWER: Alexander **Pushkin** [or Alexander Sergeyevich **Pushkin**]

[10m] Schwartz is keen to play cards in this novella's opening chapter, which depicts several friends at a funeral. This novella's title character forms a bond with the servant Gerasim (“gyeh-ruh-SEEM”), who holds his legs during a terminal illness.

ANSWER: *The **Death of Ivan Ilyich*** [or ***Smert' Ivána Ilyicha***] (by Leo Tolstoy)

[10h] The loss of possessions in card games is a recurring motif in this author's story “The Enchanted Wanderer.” In another story by this author, a craftsman tries to improve a dancing clockwork insect made by English craftsmen.

ANSWER: Nikolai **Leskov** [or Nikolai Semyonovich **Leskov**] (The unnamed story is “The Tale of Cross-eyed Lefty from Tula and the Steel Flea.”)

<European Literature>

18. The COBE (“Kobe”), WMAP (“W-map”), and Planck missions all studied this phenomenon at successively higher resolutions. For 10 points each:

[10e] Name this low-energy cosmological “relic” radiation often called the afterglow of the Big Bang.

ANSWER: **CMBR** [or **cosmic microwave background** radiation; prompt on **background** radiation]

[10m] The CMB has a nearly uniform distribution up to small anisotropies (“an-eye-SAW-truh-peeze”). The largest anisotropy, which is caused by motion relative to the CMB, is described by this word, corresponding to the *l*-equals-one term in a multipole expansion.

ANSWER: **dipole** [accept **dipole** anisotropy]

[10h] The CMB is polarized at the sub percent level, giving possible evidence for cosmic inflation. The CMB polarization can be decomposed into two components, one of which can be caused by gravitational waves and the other of which can be caused by density fluctuations. Name either.

ANSWER: **B**-mode polarization OR **E**-mode polarization

<Other Science>

19. A 2021 *Nature* paper suggested that most people neglect this operation during tasks like building block structures or transforming grid patterns to achieve symmetry. For 10 points each:

[10e] Identify this operation that Leidy Klotz promoted in a 2021 book on its “untapped science.” European sales clerks may use the “Austrian method” for this mathematical operation instead of the “borrowing” taught in elementary school.

ANSWER: **subtraction** [accept **minus**; accept **removal**, **reduction**, **deduction**, **diminishing**, **taking away**, or equivalents; accept **Subtract**: *The Untapped Science of Less*; prompt on **calculation** or **arithmetic** or equivalents]

[10m] Klotz’s book *Subtract* analyzes Carolina Mauri simplifying this country’s climate policy to achieve carbon neutrality. This Latin American country produces nearly all of its electricity from renewable hydropower.

ANSWER: **Costa Rica** [or Republic of **Costa Rica** or República de **Costa Rica**]

[10h] Costa Rica’s Butterfly Farm in Alajuela was inspired by this book, which advocates an “economics of permanence.” This 1973 book by E. F. Schumacher influenced the degrowth movement.

ANSWER: **Small is Beautiful** [or **Small Is Beautiful: A Study of Economics As If People Mattered**]

<Other Academic>

20. A 1321 conspiracy blamed people infected with this disease for contaminating well water to destroy Christianity. For 10 points each:

[10e] Name this disease whose disfigured sufferers in the Middle Ages often had to wear the letter “L” on their clothes and signal their presence by bells, horns, or by shouting out their uncleanness.

ANSWER: **leprosy** [accept **lepers**; or **Hansen’s disease** or **HD**]

[10h] The Lepers’ Plot benefitted from the chaos spread by a 1320 crusade organized after a member of this profession received a biblical vision. A similar crusade named for this profession began after a Hungarian monk was told in a Marian apparition to rescue Louis IX.

ANSWER: **shepherds** [or **shepherdess**; or **shepherders**; accept **pastoralists**; accept **Shepherd’s Crusade of 1320** or **Pastoureaux** of 1320; accept **Shepherd’s Crusade of 1251** or **Pastoureaux** of 1251]

[10m] The rumor that leprosy spread from the Crusades was supported by the infection of a king of Jerusalem with this name, who arranged the marriage of his sister Sibylla and Guy of Lusignan (“ghee of loo-sin-YAWN”).

ANSWER: **Baldwin** [accept **Baldwin IV** or **Baldwin the Leper**]

<European History>

21. Brad Pitt was the first male to advertise this product, whose other recent ambassadors have included Lily-Rose Depp and Marion Cotillard. For 10 points each:

[10m] Name this amber-colored perfume created by Ernest Beaux using aldehydes. Its simple, transparent bottle may have been inspired by the whiskey decanter used by Arthur “Boy” Capel.

ANSWER: **Chanel No. 5** [prompt on **Chanel**; prompt on **No. 5**]

[10h] After creating Parfums Chanel with Pierre and Paul, two brothers with this surname, Coco Chanel fought them for control of Chanel No. 5 for over 20 years. This family owned the cosmetics company Bourjois (“boor-jwah”), which was bought by Coty Inc. in 2015.

ANSWER: **Wertheimer** family [accept Pierre **Wertheimer**; accept Paul **Wertheimer**]

[10e] In a 1952 interview for *Life*, this actress said that she wore Chanel No. 5 to bed. She wore a bright pink dress and sang “Diamonds Are a Girl’s Best Friend” in the musical *Gentlemen Prefer Blondes*.

ANSWER: Marilyn **Monroe** [or Norma Jeane **Baker** or Norma Jeane **Mortenson**; prompt on **Marilyn** or **Norma Jeane**]

<Other Fine Arts>