2022 ACF Winter

Packet 11 by Cambridge A, Sheffield A, Purdue B, Princeton A

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Tossups

1. A hadith describes this figure as having “lank hair” and having water dripping from his head. Another hadith describes this figure killing pigs and abolishing the *jizya* tax. This figure was reserved the fourth, empty grave in the Green Dome. In childhood, this figure molded clay birds and brought them to life. This figure will use a spear to slay a “Prince of Lies” called the Masīḥ ad-Dajjāl (“mah-SEEHH ad-dej-jahl”) while fighting alongside the Mahdi. Before this figure’s birth, his mother was miraculously provided with dates and water. This figure’s mother is the only named woman in the Qur’an. For 10 points, name this penultimate Muslim prophet, who is the son of Maryam and who, according to the Qur’an, was not actually crucified on the cross.

ANSWER: ‘**Isa** [or **Jesus**; or **Īsā** ibn Maryam]

<Religion>

2. “Chains of responsibility” consist of multiple of these things’ “handler” type. One of these things minimizes memory usage by sharing data with other examples of these things in “flyweights.” To avert the yo-yo problem, a preference for the “composition” of these things was held by the so-called “Gang of Four.” The “factory method” for producing these things is described in the book *Design Patterns*. Encapsulation is used to conceal components of these things in an approach in which these things are instances of classes. The representation of “is-a” relationships via subtype polymorphism is central to a paradigm named for these things, which is exemplified by Python. For 10 points, name these things toward which languages like Java are “oriented.”

ANSWER: **object**s [accept **object**-oriented languages; accept **object** composition; accept handler **object**s]

<Other Science>

3. An essay on a poem in this language critiques the work of W. P. Ker and compares its translators to curious people pulling stones from a tower. A “dreary-faced man” appears among the standard “beasts of battle” in a poem in this language sometimes translated as “The Exile.” It’s not Chinese, but the line “may I for my own self song’s truth reckon” begins Ezra Pound’s translation of a poem in this language that is similar to the poem “The Wanderer.” “Whale-road” and other kennings in this language appear in a poem discussed in the essay “The Monsters and the Critics” by this language’s scholar J. R. R. Tolkien. The Nowell Codex contains a poem in this language whose opening word was translated as “So!” by Seamus Heaney. For 10 points, name this language used to write *Beowulf*.

ANSWER: **Old English** [accept **Anglo-Saxon**; prompt on English; reject “Middle English”]

<British Literature>

4. In a piece titled for this time period, repeated low thirty-second notes alternate with a solo that consists of high triplet thirds and sixths. In that piece titled for this time period, a melody that opens [read slowly] E, three G sharps, F sharp-E B leads to trills on high B. An unusually short scherzo precedes the rondo finale of an F major sonata nicknamed for this time period that was dedicated to Count Moritz von Fries (“freez”). A 12/8 (“twelve eight”) pastoral dance concludes a piece titled for this time period that was paired with a sonnet in which breezes “caress a murmuring stream.” This time period nicknames a Beethoven violin sonata and titles a concerto in which the viola mimics a sleeping goatherd’s dog and the violin soloist imitates chirping birds. For 10 points, name this time period that titles the first concerto of Vivaldi’s *The* *Four Seasons*.

ANSWER: **spring** [accept *La* ***primavera***; accept ***Spring*** *Sonata* or ***Frühling****ssonate*]

<Classical Music>

5. An author from this country, who depicted the shipwrecked girl Philadelphia Gordon in her historical novel *All the Rivers Run*, edited a 1950 anthology by a nationalist literary movement whose name means “to annex” in a local language. In a poem from this country, riders including Harrison pursue the “colt from Old Regret.” An author from this country, who wrote a poem with the line “up rode the squatter, mounted on his thoroughbred,” influenced Nancy Cato, Rex Ingamells, and other members of this country’s Jindyworobak (“JIN-dee-WOH-roh-back”) movement. That poem from this country describes a man who steals a “jumbuck” after waiting “til’ his billy boiled” near a “billabong.” For 10 points, what country’s poet Banjo Paterson wrote the “bush ballad” “Waltzing Matilda”?

ANSWER: **Australia** [or Commonwealth of **Australia**] (The unnamed poem is “The Man from Snowy River.”)

<World Literature>

6. In addition to a quantity with units of energy, the log of this quantity is predicted from the contribution of various functional groups in a molecule in the SIMPOL.1 (“SIM-poll one”) method. A linear relationship between temperatures at which this quantity is identical for a pure liquid and its solutions is given by Dühring’s rule. The August equation, which linearly relates the log of this quantity to the inverse of temperature, is derived by setting the constant C to zero in the Antoine (“AHN-twan”) equation. This quantity being high is a distinguishing property of volatile substances. This quantity for a pure substance times its mole fraction in a mixture gives its partial pressure, according to Raoult’s (“rah-OOZ”) law. Boiling occurs when this quantity equals atmospheric pressure. For 10 points, name this pressure of a gas in equilibrium.

ANSWER: **vapor pressure** [accept **vapor** pressure after “pressure” is read; prompt on pressure or P]

<Chemistry>

7. During this multi-year event, a cartoon of a man as a pig sitting on a toilet was published as one of 51 “Freak Show” posters. A cartoon about this event includes the text “they spoke about it…” below a drawing of a family fighting at dinner. A fight between journalists covering this event is depicted in the ninth installment of the most popular “reconstructed actuality” film by the director of *A Trip to the Moon*. A response to this event ridiculed claims of the “autoforgery” of a note that had been found in a wastebasket. That article correctly identified Ferdinand Esterhazy as a culprit and decried the conviction of this event’s central man for selling military information to Germany. For 10 points, Émile Zola’s letter “J’accuse…!” (“zhah-COOZ”) concerned what 1890s scandal centered on a Jewish French officer?

ANSWER: **Dreyfus** affair [or L’affaire **Dreyfus** or **Dreyfus** scandal or similar answers; accept conviction of Alfred **Dreyfus** or equivalents; prompt on L’affaire]

<European History>

8. A 2014 Arne Birkenstock film concerns a man best known for performing this action, Wolfgang Beltracchi. Elmyr de Hory (“ELL-meer duh HOR-ee”), who gained fame for performing this action over one thousand times, inspired a docudrama about this action by Orson Welles. To perform this action, Han van Meegeren (“hahn von MAY-khuh-ren”) baked objects to imitate craquelure. To prove whether someone has committed this crime, a *catalogue raisonné* (“ray-soh-NAY”) may be examined to question the provenance of certain objects and X-ray diffraction can be used to search for unusual *pentimenti*. Evidence of this crime can be revealed by “white lead” dating and the presence of zinc white or other modern paints. For 10 points, name this crime that involves mimicking the works of people such as Vincent van Gogh.

ANSWER: **art forgery** [or descriptions such as **faking painting**s or **counterfeit**ing **art**; prompt on forgery or counterfeiting or equivalents by asking “what kind of object was produced?”; prompt on art misattribution] (The second line refers to *F for Fake*.)

<Painting & Sculpture>

9. This kingdom hired J. J. Weltevree (“VELL-tuh-fray”) to make cannons, which it classified as black, yellow, earth, or sky. An inventor who died soon after the founding of this kingdom extracted saltpeter from soil to launch gunpowder-charged arrows from its “fire carts.” A faction of “Westerners” in this kingdom provoked its invasion by Tàizōng soon after it was forced to pay tribute to the Later Jīn in 1627. In the 15th century, a “great” ruler of this kingdom cemented its alliance with the Míng by conquering Jurchen lands on the Túmén (“too-mun”) and Yālù rivers. This “hermit kingdom’s” navy repulsed Toyotomi Hideyoshi’s Japanese invasion during the Imjin War by using panokseon (“PAHN-oak-sun”) and “turtle ships” commanded by Admiral Yi Sun-Shin (“ee soon-shin”). For 10 points, Taejo (“tay-joh”) overthrew Goryeo (“koor-yuh”) to establish what final dynastic kingdom of Korea?

ANSWER: **Joseon** [or **Chosŏn** or **Dyǒw syěon** or Great **Joseon** Country; accept Taejo of **Joseon**; prompt on Korea or Hanguk] (The second sentence refers to Choe Museon and hwacha. The “great” ruler was Sejong the Great.)

<World History>

10. This faculty is the subject of the “zoom-lens model” co-developed by Charles Eriksen, who also co-developed the “flanker task” used to study this faculty’s namesake “capture.” “Covert” and “overt” orienting are forms of this faculty’s visual type. The phenomenon of “inhibition of return” was explained by modeling this faculty in terms of “feature integration” by Anne Treisman. This faculty’s namesake “blindness” was the subject of an experiment in which a man walked in the background of a video while dressed as a gorilla. People for whom this faculty is impaired may take methylphenidate, otherwise known as Concerta or Ritalin, to treat this faculty’s namesake “deficit.” For 10 points, name this cognitive faculty, the ability to focus on a particular thing.

ANSWER: **attention** [or **attentive**ness; accept **focus** until read; accept **attention** deficit disorder or **attention** deficit hyperactivity disorder; accept **attention** blindness; accept visual **attention** or selective **attention**; accept **attention**al capture; prompt on ADHD or ADD by asking “what does that stand for?”]

<Social Science>

11. Fashion from a show about this activity was paired with fashion from *The Crown* in a virtual Brooklyn Museum exhibit. The response “holy hell” traditionally follows a suggestion to “Google” an action in this activity in a popular meme subreddit for it. A viral clip of mo1stcritikal (“moist-critical”) insulting xQc originated from a competition for this activity called *PogChamps*. Twitch streamers of this activity such as Daniel Naroditsky and the Botez sisters increased in popularity during the COVID-19 pandemic, partially due to a TV show in which a girl learns this activity in a Kentucky orphanage and eventually defeats Vasily Borgov. For 10 points, Anya Taylor-Joy played Beth Harmon in a 2020 miniseries about what activity titled *The Queen’s Gambit*?

ANSWER: playing **chess** [accept r/Anarchy**Chess**; prompt on board games or strategy games]

<Popular Culture>

12. The sum of this kind of variance, epistatic variance, and additive variance gives the total genetic variance in a population. Complementation testing cannot be done when the variant in question has this property, because it fails to complement all other variants by definition. Muller’s antimorphs show a version of this property in which changing one member of a complex makes the entire complex non-functional; that phenomenon is called “[*this property*]-negative.” This property can be “full” or “complete” due to wild-type haploinsufficiency. This property is “incomplete” in the case of pink flowers arising from the cross of red and white ones. In the AB blood group, the alleles A and B are “co-[*this property*]”because they are both expressed if present. For 10 points, name this property of an allele that makes it expressed in a heterozygote over a recessive allele.

ANSWER: **dominant** [or **dominance**; accept co**dominance** or cod**ominant**; accept incomplete **dominance** or incompletely **dominant**; accept complete **dominance**, completely **dominant**, full **dominance**, or fully **dominant**; accept **dominant**-negative]

<Biology>

13. A poem in this language that describes a dress “determined to keep living when I’m gone” is titled “Museum.” An orphan raised by a judge falls in love with the Pantler’s granddaughter in a poem written in this language by one of a country’s “Three Bards.” An author who used this language wrote that “every beginning is only a sequel” in “Love at First Sight” and included “Notes from a Nonexistent Himalayan Expedition” in *Calling Out to Yeti*. *With Fire and Sword* is part of a historical “trilogy” by an author who used this language to describe Marcus Vinicius’s love for Lygia in ancient Rome in *Quo Vadis*. For 10 points, name this language used by Adam Mickiewicz (“AH-dom mits-KYAY-vich”), Wisława Szymborska (“vee-SWAH-vah shim-BOR-skah”), and Henryk Sienkiewicz (“HEN-rik shen-KYAY-vich”).

ANSWER: **Polish** [or **polski** or **polszczyzna**] (The first poem is by Szymborska. The second poem is “Pan Tadeusz” by Adam Mickiewicz.)

<European Literature>

14. Beggars recreate the Last Supper in a controversial shot from a film about a person of this occupation by Luis Buñuel. An orphan with this occupation and her aunt, a promiscuous, alcoholic judge, discover the fate of her family during World War II in the Polish film *Ida*. Matte paintings and blown-up photos represent the Himalayan cliff next to a bell tower from which one of these people falls in Powell and Pressburger’s film *Black Narcissus*. In another film, one of these people filmed in silhouette sings, “climb every mountain, ford every stream” to encourage a woman to pursue her love for a captain. In that film, a group of these people rant about a “flibbertigibbet” “problem called Maria.” For 10 points, characters with what occupation in *The Sound of Music* include the Mother Abbess?

ANSWER: Catholic **nun**s [accept **Sister**s; accept **novice**s; accept **prioress**es; accept **abbess**es until read; reject “priests” or “monks”] (The film in the first line is *Viridiana*.)

<Other Arts (Film)>

15. Anisotropies in momentum space lead to one of these phenomena named for Erich Weibel. A velocity distribution with a “bump” in its tail characterizes the “two-stream” type of these phenomena. The fact that Z-pinched plasmas can display the “sausage” and “kink” types of these phenomena is a major barrier to the efficiency of fusion reactors. Both plasmas and fluids can display a type of these phenomena with characteristic growing “fingers,” which arises when a dense substance lies above a less dense substance. These phenomena, which correspond to maxima of a system’s potential energy, include examples in fluids called the “Kelvin–Helmholtz” and “Rayleigh–Taylor.” For 10 points, name these phenomena in which a small perturbation causes a physical system to rapidly leave equilibrium.

ANSWER: **instabilities** [or plasma **instability** or fluid **instability**; accept **unstable**; accept Kelvin–Helmholtz **instability**, Rayleigh–Taylor **instability**, Weibel **instability**, bump-on-tail **instability**, two-stream **instability**, sausage **instability**, kink **instability**, or flute **instability**; reject “stability” or “stable”]

<Physics>

16. People with this occupation founded a kārum at Kültepe (“CHOOL-tep-ay”) in the Old Assyrian period. Book Nine of the *Florentine Codex* discusses the sumptuary privileges of high-status Aztec “vanguards” with this occupation called pochteca. It’s not textile work, farming, or herding, but this occupation’s Bania and Marwari castes grew out of the Vaishya varṇa. With the exception of prohibited ribā, Islam elevated this occupation due to its practice by the Prophet Muhammad. This lowest of the Confucian “four occupations” established “floating,” “night,” and “wet” facilities in Asia. Diplomacy and this occupation were specialties of the Sogdians, who created precursors of caravanserais. For 10 points, people with what occupation held medieval fairs at seasonal souks and bazaars?

ANSWER: **merchant**s [or word forms like **mercantile**; or **trade**rs or **peddler**s or **barter** or equivalents; accept **market**s or **commerce** or **sale**smen or **shop**keepers or equivalents; accept merchant **bank**ers or **moneylender**s or **financier**s or **business**men or equivalents; or **shāng**rén; accept night **market**s or floating **market**s or wet **market**s; prompt on spy or espionage or scouts or equivalents by asking “what was their primary occupation?”]

<Other History>

17. An unnamed woman created by this author describes her solitary life wandering an unnamed European city in chapters like “At the Hotel” and “In My Head.” In another novel by this author, a man’s brother is killed by anti-Communist paramilitary police, leading him to raise the brother’s daughter as his own and move to Rhode Island. Upon returning home from Yale, the protagonist of a novel by this author learns of a train crash that leaves his father with only a crumpled page from a Russian short story. This author of *The Lowland* wrote a story in which a group of monkeys threaten Bobby, who is saved by the tour guide Mr. Kapasi. For 10 points, name this author who created Gogol Ganguli in *The Namesake* and also wrote *Interpreter of Maladies*.

ANSWER: Jhumpa **Lahiri** [or Nilanjana Sudeshna **Lahiri**] (The novel in the first sentence is *Whereabouts*.)

<American Literature>

18. Giovanni Botero claimed that these people “must prostrate [themselves] in all humility before the Divine Majesty” in a criticism of a book titled for one of them. They’re not knights, but Erasmus included a chapter inspired by Plutarch arguing that these people should punish flatterers in a book titled for the “Education of a Christian” one of them. A medieval genre of educational treatises is called “mirrors for” these people. A book titled for one of these people compares Fortune to a raging river that must be controlled for success. That book titled for these people praises Cesare Borgia and argues that these people should be both forceful like a lion and stealthy like a fox in statecraft. For 10 points the maxim “it is better to be feared than loved” comes from a book titled for what kind of person by Niccolò Machiavelli?

ANSWER: **prince**s [or **principi**; accept *The* ***Prince*** or *Il* ***Principe***; accept mirrors for **prince**s; accept *The Education of a Christian* ***Prince***; accept *Institutio* ***principis*** *Christiani*; prompt on rulers or monarchs or generals; reject “kings”]

<Philosophy>

19. This figure attacked a boar, only to discover that it already had an arrow in it, leading to a battle with a hunter that gave this figure a weapon. This figure rescued the prince Uttar from an invading army while masquerading as the courtesan Brihannalā (“bree-HUN-nuh-lah”). Fighting alongside the androgynous Shikhaṇḍī (“shee-KUN-dee”), this figure felled a warrior with so many arrows that they kept the warrior’s body off the ground when laying down. This favorite pupil of Droṇa vowed revenge on a group of cousins after a game of dice led them to humiliate his wife Draupadī (“DRAO-puh-dee”). Upon riding out on a battlefield between two massive armies, this kshatriya’s (“K’SHUH-tree-yuh’s”) charioteer revealed himself to be an avatar of Vishṇu. For 10 points, name this Pāndava warrior whose conversation with Krishna makes up the *Bhagavad Gītā*.

ANSWER: **Arjun**a [accept **Pārth**a, **Dhanañjay**a, **Gudākesh**a, **Savyasāchī**, **Kirītī**, or **Gāndīvadhārī**]

<Mythology>

20. The historian Alexander Rose argues that this event helped solidify the superiority of a service sold by Juan Trippe. Charles Rosendahl, who gave testimony on this event, had witnessed a similar incident four years earlier involving an object built in Akron. A conspiracy theory surrounding this event centers around a contortionist and acrobat who often left a common area to supposedly feed his dog. Hugo Eckener’s career was ruined by this event, which Captain Max Pruss barely survived. While covering this event, Herbert Morrison exclaimed “oh, the humanity!” This event, which took place near Lakehurst, New Jersey, was likely caused by a spark that ignited leaking hydrogen. For 10 points, name this 1937 disaster in which the world’s largest zeppelin exploded.

ANSWER: ***Hindenburg*** disaster [or explosion of the LZ 129 ***Hindenburg*** or equivalents; accept **Lakehurst** disaster until “Lakehurst” is read] (Juan Trippe was the CEO of Pan Am Airways.)

<American History>

TB. This person supposedly made an unfulfilled vow that motivated namesake altars to Vulcan. A decade after this person’s death, Terentius (“tay-REN-tee-oose”) Maximus fled to Parthia after posing as a false version of him who popularized the legend of “[this man] redivivus (“red-ih-VEE-vuss”).” After his death, this man was called “ferus rex” in Statius’s *Silvae*. In gematria, this man’s name equals “666,” which led him to be identified as the Antichrist for his “exquisite tortures” described by Tacitus in a passage that also mentions Pontius Pilate’s execution of Jesus. After this emperor’s suicide, Vitellius continued to build his Domus Aurea (“DOH-moose OW-ray-ah”) during 69 CE’s Year of the Four Emperors. For 10 points, the Flavians succeeded what final Julio-Claudian emperor, whom early Christians vilified for the Great Fire of Rome?

ANSWER: **Nero** [or **Nero** Caesar or **Nero** Claudius Caesar Augustus Germanicus; or Lucius Domitius **Ahenobarbus**; accept **​​Nero** Redivivus; accept **Neronian** persecution; accept Arae Incendii **Neroniani**]

<TB (Other History)>

Bonuses

1. Answer the following about the intertwined history of temperance and women’s rights in the British Empire, for 10 points each.

[10e] Moshoeshoe I (“muwh-SHWAY-shway the first”) banned alcohol in this small kingdom that grew from the Basutoland (“ba-SOO-too-land”) Protectorate. Female chiefs had an outsize role in this country’s colonial politics since many men worked in surrounding South Africa.

ANSWER: **Lesotho** (“luh-SOO-too”) [or Kingdom of **Lesotho** or Naha ea **Lesotho**]

[10m] This province lacked dedicated suffrage groups, but temperance supporters petitioned its bicameral legislature for women’s rights. Canadian Confederation began at an 1864 conference in this Maritime province’s capital.

ANSWER: **Prince Edward Island** [or **PEI**; or **Île-du-Prince-Édouard**] (The conference was the Charlottetown Conference. The bicameral legislature amalgamated in 1893.)

[10h] Kate Sheppard founded the National Council of Women in this city and wrote for its WCTU *Prohibitionist*. The Canterbury Association’s “Pilgrims” founded this grid-plan city, whose country was the first to grant universal suffrage.

ANSWER: **Christchurch** [or **Ōtautahi**] (It is located in Aotearoa New Zealand.)

<Other History>

2. In a Chrétien de Troyes (“CRAY-tee-yen duh TWAH”) poem, a man with an epithet referring to one of the objects crosses a bridge made of swords to rescue a maiden kept in an impenetrable crystal tower. For 10 points each:

[10h] Name these objects that provide the epithet of a knight who is forced to use one after riding two horses to death in pursuit of the villain Maleagant (“MALL-ay-ah-gahnt”).

ANSWER: **cart**s [or **charrette**s; accept **wagon**s; accept **chariot**s; accept, but DO NOT OTHERWISE REVEAL, *Lancelot, the Knight of the* ***Cart*** or *Lancelot, le Chevalier de la* ***Charrette***]

[10e] This “Knight of the Cart” rescues Guinevere from Maleagant and has an affair with her in Chrétien’s poem. This Knight of the Round Table was the father of Galahad.

ANSWER: **Lancelot** [or **Launcelot**; or **Lancelot** du Lac or **Lancelot** of the Lake; or **Lancelot**, Knight of the Cart or **Lancelot**, le Chevalier de la Charrette]

[10m] Maleagant was eventually replaced as the main villain in the Matter of Britain by this illegitimate son of Arthur. This man exposed Guinevere and Lancelot’s affair and was killed at the Battle of Camlann.

ANSWER: **Mordred** [or **Modred**; or **Modredus**; accept **Medraut** or **Medrawt**]

<Mythology>

3. Sonogashira couplings have been used to promote the power conversion efficiency for polymers of this molecule by attaching substituents that tune its electronic properties. For 10 points each:

[10h] Name these molecular systems that exhibit intense blue Soret bands as well as weaker Q-bands. These systems, which contain four meso positions and eight pyrrolic beta positions, are common prosthetic groups in metalloproteins.

ANSWER: **porphyrin**s [or **porphyrin** rings; accept proto**porphyrin**s; accept metallo**porphyrin**s; accept **porphine** derivatives; prompt on rings]

[10m] Sonogashira coupling combines a copper co-catalyst with a catalyst based on this transition metal, which is also used in other cross-coupling reactions like Suzuki coupling and the Heck reaction.

ANSWER: **palladium** [accept **Pd**]

[10e] In 2013, Panda and Sarkar proposed a variant of the Sonogashira coupling that combined catalysts of palladium and this precious metal, whose symbol is Au.

ANSWER: **gold**

<Chemistry>

4. In a serialist piece titled for these songs, contralto and bass soloists sing parts of the Catholic requiem. For 10 points each:

[10h] Name these songs of praise. One of these pieces partly titled “of the Sun” by Sofia Gubaidulina (“goo-bai-DOO-lee-nah”) consists of four Glorifications for an instrumental soloist, choir, percussion, and strings.

ANSWER: **canticle**s [accept *Requiem* ***Canticle****s*; accept ***Canticle*** *of the Sun*; prompt on *Sonnengesang*]

[10e] The *Requiem Canticles* were the last major work by this composer of the *Symphony of Psalms* and *The Rite of Spring*.

ANSWER: Igor **Stravinsky** [or Igor Fyodorovich **Stravinsky**]

[10m] This instrument plays the solo in Gubaidulina’s *Canticle of the Sun*. Gubaidulina dedicated the piece to Mstislav Rostropovich (“mee-stee-SLAHV ruhs-truh-POH-vich”), who, like Jacqueline du Pré (“zhahk-eh-leen doo pray”), played this instrument.

ANSWER: **cello** [or **celli**; or violon**cello**]

<Classical Music>

5. A poem from this movement describes how suicides, like carpenters, “want to know *which tools*. They never ask *why build*.” For 10 points each:

[10m] Name this poetic movement that critics coined in reviews of the collection *Life Studies*, which features a poem titled for an animal who “jabs her wedge-head in a cup of sour cream.”

ANSWER: **Confession**al poetry [or **Confession**alism; accept “Poetry as **Confession**”] (The poem in the first line is Anne Sexton’s “Wanting to Die.”)

[10e] This surname was shared by Robert, the Confessional poet who included “Skunk Hour” in *Life Studies*, and Amy, who wrote the Imagist poems “Lilacs” and “Patterns.”

ANSWER: **Lowell** [accept Robert **Lowell** or Robert Traill Spence **Lowell** IV; accept Amy **Lowell** or Amy Lawrence **Lowell**]

[10h] A Robert Lowell poem titled for this other poet describes him asking, “why did we live? Why do we die?” The speaker of a poem by this author describes being “hunched” in the belly of the state “till my wet fur froze.”

ANSWER: Randall **Jarrell** (The poem is “The Death of the Ball Turret Gunner.”)

<American Literature>

6. This student and admirer of Talcott Parsons created a theory of sociology that prioritizes creating theories based on empirical evidence. For 10 points:

[10h] Name this sociologist who developed the “middle-range theory” in his book *Social Theory and Social Structure*.

ANSWER: Robert K. **Merton** [or Robert King **Merton**]

[10m] This “New Left” thinker shied away from Merton’s middle-range theory and coined the term “grand theory” in his book *The Sociological Imagination*. He identified America’s dominant decision makers in a 1956 book.

ANSWER: C. Wright **Mills** [or Charles Wright **Mills**] (The book is *The Power Elite*.)

[10e] Mills wrote a book titled for this phrase and subtitled “The American Middle Classes.” This two-word phrase typically refers to office workers, in contrast to a similar “blue” group that performs manual labor.

ANSWER: **white collar** [accept ***White Collar****: The American Middle Classes*]

<Social Science>

7. Many schools for this dance form train its students to compete in the Prix de Lausanne (“pree duh loh-ZAHN”), a renowned international dance competition in Switzerland. For 10 points each:

[10e] Name this dance form whose female students are usually required to maintain a namesake “bun” and may purchase equipment like pointe shoes and tutus.

ANSWER: **ballet** [accept classical **ballet**; accept **ballerina**s or **ballerina** bun]

[10m] Russian ballerina Agrippina Vaganova (“uh-grih-PEE-nuh vah-GAH-nuh-vah”) based her namesake method of ballet instruction on principles laid out by this French master, who choreographed Ludwig Minkus’s music for *La Bayadère* (“lah bah-yah-DAYR”).

ANSWER: Marius **Petipa** [or Marius Ivanovich **Petipa**]

[10h] This dancer trained students in his rapid, athletic style for “neoclassical” stagings of *Apollo* and Paul Hindemith’s (“HIN-duh-mit’s”) *The Four Temperaments*. In a ballet by this choreographer, dancers wear costumes embodying the glitter of three rare gems.

ANSWER: George **Balanchine** (“BAL-un-cheen”) [or Georgiy Melitonovich **Balanchivadze**] (The ballet is *Jewels*.)

<Other Fine Arts (Dance)>

8. At the end of a novel, a woman has sex with a follower of this religion immediately after having sex with his atheist twin brother. For 10 points each:

[10m] Name this religion practiced by a character who shoots Archie Jones in the thigh after joining an organization dedicated to this religion named KEVIN.

ANSWER: **Islam** [or **Muslim**s; or al-’**Islām**; accept **Sunni** Islam; accept **Salafi** or **Salafi**sm or **Salafī**yya; accept **Wahhabi**sm or al-**Wahhābi**yyah]

[10e] In Zadie Smith’s novel *White Teeth*, Millat Iqbal joins the fictional militant Islamic group KEVIN after protesting against this novel by Salman Rushdie, which led Rushdie to be condemned in a fatwā from Ayatollah Khomeini.

ANSWER: *The* ***Satanic Verses***

[10h] This author described the Rushdie fatwā as a convenient way to argue, “here are the Muslims, they’re barbarians.” Changez recalls his pleased reaction to 9/11 in this author’s novel *The Reluctant Fundamentalist*.

ANSWER: Mohsin **Hamid**

<British Literature>

9. Some theorize that the red cherries that adorn a dessert named after this region are meant to resemble its traditional Bollenhut (“BOH-len-hoot”) hat, which features several red pom-poms on a mob cap. For 10 points each:

[10m] Name this non-Swiss mountainous region whose craftspeople are credited with developing the cuckoo clock. The Danube River originates in a town in this region, which, in the Middle Ages, was home to deciduous beeches and conifers.

ANSWER: **Black Forest** [or **Schwarzwald**; accept **Black Forest** cake or **Black Forest** gâteau or **Schwarzwäld**er Kirschtorte]

[10e] The Black Forest tourist hotspot of Baden-Baden (“BAH-dun BAH-dun”) is one of 11 European towns recognized by UNESCO for resorts centered around these mineral spring baths.

ANSWER: **spa**s [accept **thermal** baths]

[10h] Legend holds that those who step foot in one of the many thin water runnels called Bächle (“BAY-kluh”) in this Black Forest city will marry a local. A town hall in this city was the world’s first public building to produce surplus energy.

ANSWER: **Freiburg** (“FRAI-boorg”) [or **Freiburg** im Breisgau; or **Freiburg** i. Br.; or **Freiburg** i. B.]

<Geography>

10. When prefixed by “ultra,” this term describes a class of rocks with very low silica content that dominate the mantle. For 10 points each:

[10m] What term describes dark-colored igneous rocks that are rich in magnesium and iron, in contrast to felsic rocks?

ANSWER: **mafic** (“MAY-fick”) rocks [accept ultra**mafic** rocks]

[10e] Due to its low viscosity, the mafic type of this substance tends to effuse from a volcano’s vent. Magma becomes this substance when it reaches the Earth’s surface.

ANSWER: **lava** [accept mafic **lava**]

[10h] Despite producing little volcanic ash, mafic magma can explode in water to form this rock, which consists of at least 75 percent ash. Diamond Head in Hawaiʻi exemplifies “cones” made of this rock.

ANSWER: **tuff** [accept **tuff** cones; accept **tuff**aceous rock; reject “tufa”]

<Other Science>

11. This event is preceded by Professor Schmiegelow and Old General von Brackel observing the scenery from a small hill. For 10 points each:

[10h] Name this event in a short story that causes a group of travelers, including Jonathan Maersk (“mask”), to trade tales after switching places with a group of peasants in a granary.

ANSWER: the **deluge** at **Norderney** [accept **flood** or **inundation** or thunder**storm** or equivalents in place of “deluge”; prompt on deluge or flood or inundation or thunderstorm or equivalents by asking “at what location?”; prompt on Norderney by asking “what event there?”]

[10m] This author included “The Deluge at Norderney” in her collection *Seven Gothic Tales*. A servant wins the lottery and spends her prize money on a lavish meal in another story by this author.

ANSWER: Isak **Dinesen** [or Karen **Blixen** or Karen Christenze von **Blixen**-Finecke; accept Tania **Blixen**; accept **Osceola**; accept Pierre **Andrezel**] (The other story is “Babette’s Feast.”)

[10e] Ngũgĩ wa Thiong’o (“ng-OO-ghee wah thee-ONG-oh”) called Dinesen’s memoir *Out of Africa* “one of the most dangerous books ever written” for its condescending depiction of this modern-day country. Ngũgĩ’s son Mũkoma (“muh-KOH-mah”) set his novel *Black Star Nairobi* in this country.

ANSWER: **Kenya** [or Republic of **Kenya** or Jamhuri ya **Kenya**]

<European Literature>

12. The idea of the “long” version of this century was popularized by a historical trilogy by Eric Hobsbawm whose last volume is titled *The Age of Empire*. For 10 points each:

[10e] Hobsbawm identified the “long” version of what century as ending with World War I?

ANSWER: **19th** century [or **1800**s; accept long **19th** century]

[10m] The second volume in Hobsbawm’s trilogy, *The Age of Capital*, begins in this year. The Frankfurt Parliament, which failed to unify Germany, began in this year.

ANSWER: 18**48** [accept Revolutions of 18**48**]

[10h] The concept of the “long 19th century” was inspired by this historian’s concept of the “long 16th century.” This historian emphasized the *longue durée* (“lohng doo-RAY”) in a 1949 book that contrasts mountain and plains dwellers.

ANSWER: Fernand **Braudel** (“fair-NON bro-DELL”) [or Fernand Paul Achille **Braudel**] (That book is *The Mediterranean and Mediterranean World in the Age of Philip II*.)

<European History>

13. These theories must exhibit contextuality according to the Kochen–Specker (“KOH-kun-SPECK-ur”) theorem. For 10 points each:

[10h] Name these theories, the first of which was de Broglie’s (“duh BROY’s”) pilot wave theory.

ANSWER: **hidden variable** theories

[10e] Experiments testing the Kochen–Specker theorem can exploit this quantum phenomenon, in which two physically separated particles retain correlated quantum states.

ANSWER: quantum **entanglement** [or **entangle**d or other word forms]

[10m] This physicist proved the Kochen–Specker theorem. Entangled particles are often used to illustrate a theorem named for this physicist, which states that local hidden variable theories are incompatible with quantum mechanics.

ANSWER: John Stewart **Bell** [accept **Bell**’s theorem or **Bell**’s inequality]

<Physics>

14. A liberal party with this name instituted divorce rights and an eight-hour workday during the “First Batllismo” (“bah-CHEEZ-moh”), which Howard Wiarda identified as a precursor of Latin American populism. For 10 points each:

[10m] Give this name of a party that held power in Uruguay from 1865 to 1958 despite its “coparticipación” (“koh-par-tee-see-pah-S’YOAN”) with the Blancos. Alfredo Stroessner (“ess-TROZE-nair”) led a conservative party with this name that controlled Paraguay after the War of the Triple Alliance.

ANSWER: **Colorado** Party [or **Colorado**s or **PC** or Partido **Colorado**; accept **Red** Party; accept **National Republican Association** – Colorado Party or **Asociación Nacional Republicana** – Partido Colorado or **ANR**-PC; prompt on Republican Party or Partido Republicano]

[10h] Uruguay’s Colorado Party was named for the red armbands worn by soldiers of Fructuoso (“frook-too-OH-so”) Rivera, who fought Brazil in a Cisplatine (“siss-PLAT-ine”) “banda” named for this word. This Spanish word named 33 “patriots” who founded the Republic of Uruguay.

ANSWER: **Oriental** (“or-yen-TAHL”) [accept Banda **Oriental** or Provincia **Oriental**; accept Thirty-Three **Oriental**s or Treinta y Tres **Oriental**es; accept **Oriental** Republic of Uruguay or República **Oriental** del Uruguay; accept **Oriente**; prompt on Orient or East or Eastern Bank or Eastern Province or Thirty-Three Easterners]

[10e] After its confederation with Peru, this country’s Conservative Party favored silver and tin industrialists based in the Cordillera Oriental’s (“cor-dee-YAIR-ah or-yen-TAHL’s”) cities of Potosí (“poh-toh-SEE”) and Sucre (“SOO-cray”).

ANSWER: **Bolivia** [or Plurinational State of **Bolivia** or Estado Plurinacional de **Bolivia** or **Puliwya** Achka Aylluska Mamallaqta or **Wuliwya** Walja Suyunakana Marka; accept Peru–**Bolivian** Confederation or Confederación Perú-**Boliviana**]

<World History>

15. A contemporary artist employed this technique in the mural *The End of Uncle Tom and the Grand Allegorical Tableau of Eva in Heaven*. For 10 points each:

[10m] Name this artistic technique that titles another artist’s series of “earth-body sculptures.” This technique was named for an austere French minister.

ANSWER: **silhouette** [accept ***Silueta***series]

[10e] Kara Walker’s installation *Gone* uses silhouettes to depict a “Historical Romance” of this conflict. Mike Bradford’s mixed-media installation *Pickett’s Charge* depicts a Confederate attack during this conflict.

ANSWER: American **Civil War** [or **War Between the States** or **War** of the **Rebellion**] (Walker’s piece is *Gone, An Historical Romance of a Civil War as It Occurred Between the Dusky Thighs of One Young Negress and Her Heart*.)

[10h] This Cuban-American artist photographed herself covered in flowers, displayed her blood-colored outline on white cloth, and carved her outline into the ground for some of the entries in her *Silueta* series.

ANSWER: Ana **Mendieta** (“men-DYEH-tah”)

<Painting & Sculpture>

16. A collection of texts named for this concept includes “Answering the Nusayri” as well as several philosophical discussions of Neoplatonism. For 10 points each:

[10h] Identify this concept that names a set of “Epistles” sacred to a Levantine religion. al-Juhhal (“joo-HALL”), or “the Ignorant,” are not allowed to independently study the epistles named for this concept.

ANSWER: **wisdom** [or al-**Hikma**h; accept Epistles of **Wisdom** or Book of **Wisdom** or Rasa’il al-**Hikmah** or Kitab al-**Hikma** or al-**Hikma** al-Sharifa]

[10m] The Epistles of Wisdom are the foundational texts of this esoteric, ethno-religious Levantine faith. The Fatimid caliph al-Ḥākim is a central figure in this non-Muslim faith, which is symbolized by a five-colored star.

ANSWER: **Druze** [or **Darzī** or **Durzī** or **Durūz**; accept al-**Muwaḥḥidūn**]

[10e] The Druze believe that the soul is united with the Cosmic Mind at the end of this cyclical process. In this general process, a living being begins a new life in a different body after death.

ANSWER: **reincarnation** [or word forms like **reincarnat**ing; or **rebirth**; or **transmigration** of souls or word forms; or **metempsychosis**]

<Religion>

17. The narrator muses “if only someone would kindly and gently strangle me in my sleep” at the end of this author’s story “Cogwheels.” For 10 points each:

[10m] Name this author of a story in which the ghost of a murdered man found in a bamboo grove delivers the last of seven testimonies.

ANSWER: Ryūnosuke **Akutagawa** (“ree-oo-NOH-skay AH-koo-tah-gah-wuh”) [or **Akutagawa** Ryūnosuke; or **Niihara** Ryūnosuke; accept **Chōkōdō** Shujin]

[10e] In Akutagawa’s story “In a Grove,” Masago admits that she no longer wants to live during enquiries into the death of Takehiro, who belongs to this noble class of Japanese warriors.

ANSWER: **samurai** [or **buke**; accept **ronin**]

[10h] In a late novella by Akutagawa, a psychiatric patient called “Number 23” travels to the land of these title creatures, where a fetus tells his father “I do not wish to be born.”

ANSWER: **kappa**s [or **kawatarō**, **mizuchi**, **komahiki**, **garappa**, or **enkō**; accept ***Kappa***]

<World Literature>

18. The anterior median fissure splits these structures, each of which border an anterolateral sulcus along their lateral walls. For 10 points each:

[10h] Name these white matter bundles with triangular cross-sections found in the medulla oblongata. The corticobulbar and corticospinal tracts form a category of tracts named for these structures.

ANSWER: medullary **pyramid**s [accept **pyramidal** tracts]

[10e] The corticobulbar tract ennervates the hypoglossal nerve, which, in turn, innervates most of the muscles of this organ. In humans, this muscular organ contains taste buds.

ANSWER: **tongue**

**[**10m] Pseudobulbar affect is sometimes a symptom of this disease, in which there is progressive loss of both upper and lower motor neurons. Mutations in *SOD1* predispose to this disease, which can cause trouble swallowing.

ANSWER: **amyotrophic lateral sclerosis** [or **ALS**; or **Lou Gehrig**’s disease]

<Biology>19. In 1923, the Supreme Court ruled against Bhagat Singh Thind’s request to acquire this status on the grounds that he was legally Caucasian. For 10 points each:

[10e] Identify this status that became a “birthright” through the 14th Amendment to the Constitution.

ANSWER: US **citizen**ship [accept birthright **citizen**ship]

[10h] Birthright citizenship was reaffirmed by this 1894 Supreme Court case, in which Horace Gray ruled that the defendant was a citizen despite the fact that his parents were subjects of the Chinese emperor.

ANSWER: *United States vs.* ***Wong*** *Kim Ark* [or ***Wong*** *Kim Ark v. United States*]

[10m] In the 1884 case *Elk v. Wilkins*, the Supreme Court revoked birthright citizenship to a man born in one of these places. The Dawes Act divided up land in these places into allotments to be bought and sold.

ANSWER: Native American **reservation**s [or Indian **reservation**s; accept the **rez**]  
<American History>

20. This book introduced the term “heterosexual matrix” to refer to the societal norm of presumed heterosexuality, naturally othering sexual minorities. For 10 points each:

[10m] Name this book about “feminism and the subversion of identity” by Judith Butler, which argues that its title concept is performative.

ANSWER: ***Gender Trouble*** [or ***Gender Trouble****: Feminism and the Subversion of Identity*]

[10e] In *Gender Trouble*, Butler compares this philosopher’s asymmetric gender theory to that of Luce Irigaray. This French philosopher stated that “one is not born a woman, but rather becomes one” in her book *The Second Sex*.

ANSWER: Simone de **Beauvoir** [or Simone Lucie Ernestine Marie Bertrand de **Beauvoir**]

[10h] *Gender Trouble* claims that an earlier thinker’s writings on Herculine Barbin’s journal contradict his arguments given in this book. This book’s first volume, “The Will to Knowledge,” criticizes the “regressive hypothesis.”

ANSWER: *The* ***History of Sexuality*** [or *L’****histoire de la sexualité***] (by Michel Foucault)

<Philosophy>

TB. A review of this novel in the Vatican newspaper *L’Osservatore* (“loh-SAIR-vah-TOR-ay”) *Romano* criticized its “continuous description of Jewish villainy.” For 10 points each:

[10h] Name this picaresque novel about “the most hateful man in the world,” the fictional antisemite Simone Simonini, and his role in 19th-century European history.

ANSWER: *The* ***Prague Cemetery*** [or *Il* ***cimitero di Praga***]

[10e] This author wrote *The Prague Cemetery*. Characters discuss the persecution of the Dulcinians and fear the cruel Bernard Gui in this Italian author’s novel *The Name of the Rose*.

ANSWER: Umberto **Eco**

[10m] In this Eco novel, Belbo uses his computer Abulafia to help implement “the Plan” alongside Casaubon and Diotallevi, with whom he invents a secret society. This novel’s climax takes place at an industrial design museum.

ANSWER: ***Foucault’s Pendulum*** [or *Il* ***pendolo di Foucault***]

<TB (European Literature)>