

CALISTO 2

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Packet 10

1. In a novel, this author wrote a chapter from the perspective of crooked car salesmen who sell malfunctioning “jalopies.” In a work subtitled “In Search of America,” this author recounted his journey in a camper he named Rocinante. In a novel by this author, a truck driver deliberately hits a turtle as it crosses a highway. This author wrote a travelogue in which he goes on a road trip with his (*) dog Charley. In a novel by this author, police officers murder the preacher Jim Casy after he attempts to organize a migrant workers union. For 10 points, name this author who detailed the Joad family’s migration to California during the Great Depression in *The Grapes of Wrath*.

ANSWER: John **Steinbeck**

<Long Fiction — Lin> [Ed. Orr]

1. General Sherman, the largest tree by volume in the world, is in this national park and is of the species that this park is named for. For 10 points each:

[H] Name this national park immediately south of Kings Canyon in the Sierra Nevada mountains, which contains Mount Whitney as well as many of the “giant” species of its namesake tree.

ANSWER: **Sequoia** National Park

[E] Sequoias are one of the three redwood tree species symbolic of this state. Jeffrey and ponderosa pines are some of the trees that forest this state’s Yosemite National Park.

ANSWER: **California**

[M] Another arboreally-named national park, Joshua Tree National Park, is in this desert mostly in California’s south. Death Valley is also in this desert, whose boundaries are largely defined by the range of the Joshua Tree.

ANSWER: **Mojave** Desert

<Geography — Gray> [Edited]

2. Liberal outlooks like subjectivism and immanentism are criticized in a commentary on this thinker by Karl Barth. A passage by this thinker criticizes those who follow the law instead of the “culmination of the law” and remarks, “if you declare with your mouth... and believe in your heart... you will be saved.” A line by this thinker about the “righteousness of God” inspired (*) Martin Luther’s doctrine of justification by faith alone. Another passage by this thinker declares, “love is patient, love is kind.” After this thinker was blinded on the road to Damascus, he converted to Christianity. For 10 points, name this apostle who wrote epistles to the Romans and Corinthians.

ANSWER: **Paul** the Apostle [or Saint **Paul** or **Saul of Tarsus**; prompt on **Saul**]

<Religion — Dai> [Ed. French]

2. A king in this modern-day country apocryphally killed the prince Mingyi Swa in a 1593 duel. For 10 points each:
[M] Name this country where King Naresuan ruled the Kingdom of Ayutthaya. The Chakri dynasty would later take power in this country under the leadership of Rama I.

ANSWER: Kingdom of **Thailand**

[E] Naresuan's duel with Mingyi Swa took place on the back of these animals. These animals were often used for war in Southeast Asia, where ivory was also harvested from their tusks.

ANSWER: **elephants**

[H] A 1688 coup in Ayutthaya saw the general Phetracha kill the heir to the throne, who was one of these people. The Shimabara rebellion in Japan was led by these people, who also make up the Twenty-Six Martyrs.

ANSWER: Roman **Catholic**s [prompt on **Christians** by asking, "what denomination?"]

<World History — Prabhakar> [Edited]

3. **One of the few surviving representations of the Celtic god Cernunnos is on one of these structures built by a guild of Parisian boatmen. Callimachus is credited with introducing carved acanthus leaves to the tops of these structures. Statues of women that take the place of these structures are called caryatids. A winding frieze depicting Rome's victory over the Dacians decorates one of these structures honoring (*) Trajan.** In Classical architecture, the entablature rests atop these structures' capitals, and their shafts are fluted in each of the Doric, Ionian, and Corinthian orders. For 10 points, name these cylindrical structures that support the weight of a building.

ANSWER: **columns** [or **pillars**]

<Architecture — French> [Edited]

3. For 10 points each, answer the following about a several-million-year-long period of heavy rain called the Carnian pluvial event, or CPE:

[E] The CPE took place during this geologic period. The shift to a warmer, wetter climate helped the dinosaurs gain dominance during this period of the Mesozoic Era that occurred before the Jurassic.

ANSWER: **Triassic** Period

[M] The climate change that caused the CPE may be linked to a series of these events in Wrangellia. An earlier series of these events created the Siberian Traps and likely caused the Permian-Triassic extinction.

ANSWER: **volcanic eruptions** [or equivalents that mention **volcanoes**; accept **lava flows** or **flood basalts**]

[H] The CPE devastated this group of now-extinct mollusks. Like nautiluses, these cephalopods ("SEH-fuh-loh-pods") had spiral-shaped external shells that are common in the Mesozoic fossil record.

ANSWER: **ammonites** [or **ammonoids** or **Ammonoidea**]

<Earth, Ocean, and Atmospheric Sciences — Sheffield> [Ed. Yin]

4. **This man founded the newspaper *Iskra*, or "the Spark," while in exile from his native country. In his namesake "Testament," this leader called for the removal of his eventual successor from leadership and criticized other prominent members of his party. This leader argued for a "vanguard party" in the pamphlet (*) "What Is to Be Done?"** After returning from exile in Switzerland, this leader published the April Theses. This leader took power in the October Revolution, and ordered the execution of Tsar Nicholas II. For 10 points, name this leader of the Bolsheviks who became the first leader of the Soviet Union.

ANSWER: Vladimir **Lenin** [accept Vladimir Ilyich **Ulyanov**]

<European History — Athreya> [Ed. Prabhakar]

4. In one novel, this author described “men without skin” who push “the woman with my face” into the sea in a stream-of-consciousness description of the Middle Passage. For 10 points each:

[H] Name this author. Another novel by this author begins with a passage from “Dick and Jane” which is repeated without punctuation and then again without spaces.

ANSWER: Toni **Morrison**

[M] Morrison used corrupted Dick and Jane quotes as chapter headings in this 1970 novel. At the end of this novel, Soaphead Church tricks Pecola Breedlove into poisoning a dog to convince her that she has the title feature.

ANSWER: *The **Bluest Eye***

[E] Morrison also wrote *Beloved*, which is about an escaped one of these people who kills her baby before she is recaptured. Robert Hayden’s poem “Middle Passage” describes a journey these people were forced to undertake.

ANSWER: **slaves** [or **enslaved** people; prompt on **Africans** or **African-Americans** or **Black** people]

<Long Fiction — French> [Edited]

5. **This habitat is the final destination of carbon sequestered through the biological pump. Bioturbators such as polychaete (“PAWL-ee-keet”) worms increase oxygen availability in this habitat. Chemoautotrophs near geothermal hotspots are the most prevalent primary producers in this habitat whose fauna includes tube worms. Organisms that keep themselves rooted into this habitat are considered (*) “sessile,” while the community at large that lives in this habitat is known collectively as “benthos.” Detritivores in this habitat may feed on marine snow or whale falls. For 10 points, sponges, clams, and sea stars live in what general habitat at the bottom of the ocean?**

ANSWER: the **seafloor** [or **seabed** or **ocean floor** or reasonable equivalents; accept **benthic** zone until “benthos” is read, and prompt thereafter; accept **hydrothermal vents**; prompt on **sea** or **ocean** or **marine**]

<Biology — Yin> [Ed. Schwartz]

5. Gerald Finzi dedicated his song cycle *Let us garlands bring* to this composer and the piece was premiered on this composer’s 70th birthday. For 10 points each:

[M] Name this English composer. His *Serenade to Music* is scored for 16 solo voices with string orchestra, and he also composed fantasias on themes of Thomas Tallis and “Greensleeves.”

ANSWER: Ralph **Vaughan Williams**

[E] The text for both *Let us garlands bring* and *Serenade to Music* were drawn from works by this playwright.

Vaughan Williams also made an a cappella arrangement of “Full Fathom Five” from this playwright’s *The Tempest*.

ANSWER: William **Shakespeare**

[H] Poems from Walt Whitman’s *Leaves of Grass* were adapted by Vaughan Williams in his first symphony, which is titled for this location. At its beginning, the choir declares, “Behold [this location] itself.”

ANSWER: the **sea** [accept *A **Sea** Symphony*; do NOT accept or prompt on the “ocean”]

<Classical Music — Ma> [Edited]

6. **This country repulsed an invasion by Adrian Woll at the Battle of Salado Creek. Susanna Dickinson’s account of one battle prompted much of this country’s population to flee an invading army during the Runaway Scrape. This country issued worthless currency known as “redbacks” under the leadership of President (*) Mirabeau (“MEE-ruh-bow”) Lamar. Prisoners of war from this country were executed during the Goliad Massacre. This country declared its independence after Antonio Lopez de Santa Anna killed the members of a garrison at the Alamo mission. For 10 points, name this country annexed by the U.S. in 1845, now known as the Lone Star State.**

ANSWER: **Texas** [or Republic of **Texas**]

<American History — Athreya> [Ed. Delot-Vilain]

6. The Chinese word *chàna* is derived from a Sanskrit word for a measure of this thing. For 10 points each:
[H] Name this thing. This thing is described in the *kalacakra* in Jainism, where it is divided into ascending *utsarpini* and descending *avasarpini* stages.

ANSWER: **time**

[M] The *avasarpini* time cycle is divided into six periods, the current of which began three years after the death of this twenty-fourth tirthankara and founder of modern Jainism.

ANSWER: **Mahavira**

[E] The cyclical nature of time in Jainism is used to explain why this process continually occurs. *Samsara* is the cycle of death and this concept, which in Hinduism involves the transfer of the soul to another body.

ANSWER: **reincarnation** [or synonyms like **rebirth** or being **born again** or **transmigration**]

<Religion — Dai> [Ed. Athreya]

7. In 2019, an athlete from this country declared he wanted to play cricket in the IPL with his friend and countryman Chris Gayle. That athlete, Yohan Blake, won two silvers and a gold for this country at the 2012 London Olympics. During the Tokyo Olympics, an athlete from this country, Elaine Thompson-Herah, set an Olympic record of (*) 10.61 seconds to beat out countrywoman Shelly-Ann Fraser-Price in an event where this country swept the podium. Athletes from this country hold world records in both the men's and women's hundred meters. For 10 points, Usain Bolt ran for what Caribbean country?

ANSWER: **Jamaica** [prompt on **West Indies**]

<Pop Culture — Venkateswaran> [Edited]

7. Under the presidency of Eduardo Frei, this action was undertaken in Chile in the late 1990s and early 2000s. For 10 points each:

[H] Identify this action. An instance of this action targeting the municipal utility SEMAPA in 1999 resulted in a series of protests and riots in Cochabamba, Bolivia.

ANSWER: **water privatization** [or anything having to do with the **privatization** of a **water supply**; prompt on **privatization** by asking “of what commodity?”]

[E] As president of this country, Vicente Fox encouraged privatization of water by creating PROMAGUA. A pair of treaties govern how water from the Rio Grande is shared between this country and its northern neighbor, the United States.

ANSWER: **Mexico** [or the **United Mexican States** or **Estados Unidos Mexicanos** or **México**]

[M] Water privatization in Latin America is often backed by this financial institution, which has been criticized for unfair lending practices in developing countries. Unlike the IMF, this institution is usually headed by an American.

ANSWER: **World Bank** Group

<World History — Delot-Vilain> [Edited]

8. These devices can use the Bellman-Ford algorithm for the distance-vector kind of their namesake task. The data plane of these devices contains a table to look up the destination field in a packet header. These devices might transmit on the 5 gigahertz band rather than 2.4 for less interference. These devices create Local Area Networks, or (*) LANs, between devices connected to them and forward packets between those LANs via Ethernet. Common brands of these devices include Netgear and Linksys. In homes, these devices often have antennas to provide Wi-Fi access. For 10 points, name these devices used with modems to access the Internet.

ANSWER: **routers**

<Computer Science — Gray> [Edited]

8. In this novel, a boy uses a “magic lantern” to project a scene onto his bedroom walls depicting the medieval tale of Golo and the countess Geneviève de Brabant. For 10 points each:

[M] Name this novel in which the narrator asks the maid Françoise to deliver a letter to his mother after being deprived of her bedtime kiss. This novel’s narrator recalls his childhood in Combray after eating a madeleine dipped in tea.

ANSWER: ***In Search of Lost Time*** (by Marcel Proust) [or ***Remembrance of Things Past*** or ***À la Recherche du Temps Perdu***; accept ***Swann’s Way*** or ***Du côté de chez Swann***]

[E] Instead of translating the French title of *In Search of Lost Time* literally, C.K. Scott Moncrieff took the title *Remembrance of Things Past* from one of these poems by Shakespeare. These poems have fourteen lines.

ANSWER: **sonnets** [accept Shakespeare’s **sonnets**]

[H] In *In Search of Lost Time*, the narrator’s friend Bloch praises this playwright’s line “The daughter of Minos and Pasiphaë” due to its “supreme merit of meaning absolutely nothing.” This French playwright wrote *Phèdre*.

ANSWER: Jean **Racine** [or Jean-Baptiste **Racine**]

<Other Literature — Lin> [Edited]

9. **This character creates an illusion of the “ideal man and woman” using a brazier taken from a group of gods called the Mothers. This character decides not to commit suicide with a poisonous brown elixir after an angelic Easter chorus reminds him of his childhood. This character travels to Greece with a homunculus created by his assistant Wagner, where he has a son named Euphorion with (*) Helen of Troy. This character kills the soldier Valentine after seducing Gretchen with the help of a figure who first appears in the form of a black poodle, Mephistopheles. For 10 points, name this German scholar who makes a deal with the Devil in a verse drama by Goethe (“GER-tuh”).**

ANSWER: **Faust** [accept Heinrich **Faust**; do not accept or prompt on “Doctor Faustus”]

<Drama — Sheffield> [Edited]

9. One solution to the Fermi paradox posits that most intelligent life is trapped in these features. For 10 points each:

[E] Name these features, found under the icy crusts of the moons Europa and Enceladus. These bodies of water cover most of Earth’s surface.

ANSWER: **oceans** [accept underground **oceans** or subsurface **oceans** or subterranean **oceans**]

[H] This probe discovered silica grains in Enceladus’s gas plumes, suggesting that its ocean may contain hydrothermal vents. This probe is named for an astronomer who observed a large “Division” between Saturn’s A and B rings.

ANSWER: **Cassini** [accept **Cassini** Division or Giovanni Domenico **Cassini**; prompt on **Cassini–Huygens**]

[M] This other moon’s subsurface ocean is thought to be “sandwiched” between two or more layers of ice. This largest moon of Jupiter possesses its own magnetic field.

ANSWER: **Ganymede**

<Astronomy — Yin> [Edited]

10. **A thinker from this country attempted to syncretize Kabbalah with Christianity in a set of nine-hundred theses he introduced with *Oration on the Dignity of Man*. Another thinker from this country was inspired by Cicero’s letters to write about climbing a mountain just to see the view. A third thinker from this country condemned monarchy and democracy in favor of republics in a commentary on *Ab urbe condita* titled (*) *Discourses on Livy*. That thinker advised the title ruler to “emulate both the fox and the lion” in a book that notes “it is far safer to be feared than loved.” For 10 points, name this birthplace of Renaissance humanism, the home country of Petrarch and Niccolò Machiavelli.**

ANSWER: **Italy** [or **Italian** Republic or Repubblica **Italiana**] (The thinker in the lead-in is Pico della Mirandola.)

<Philosophy — Sheffield> [Ed. French]

10. After this country's Supreme Court was fired and replaced by the ruling *Nuevas Ideas* party, the new court ruled that its current president could run for reelection to a second term. For 10 points each:

[H] Name this Northern Triangle country, whose president Nayib Bukele has been accused of authoritarianism for actions like sending the military into the parliament building during a vote by legislators.

ANSWER: **El Salvador**

[E] In September 2021, El Salvador granted this currency the status of legal tender. This first-ever cryptocurrency, invented by a mysterious "Satoshi Nakamoto," controversially uses energy-intensive proof-of-work.

ANSWER: **Bitcoin**

[M] El Salvador symbolically mined bitcoin in October 2021 using power generated from a volcano, which is in this category of sustainable energy sources that includes all energy generated from the Earth's heat.

ANSWER: **geothermal** power

<Current Events — Condrón> [Ed. Gray]

11. In a piece by this composer, a single singer portrays four different characters using varying vocal colors and ranges. A man bids his beloved "Good Night" to begin a song cycle by this composer that ends with "The Hurdy-Gurdy Man." A triplet ostinato in the piano right hand represents a galloping horse in a *lied* ("leed") by this composer. Wilhelm Müller's poetry was set to music in this composer's (*) *Winterreise* ("VIN-ter-RYE-zuh"). Variations on his own *Die Forelle* ("dee foh-RELL-uh") form the fourth movement of a quintet by this composer that features the double bass. For 10 points, name this Austrian composer of *Erlkönig* and the Trout Quintet, whose eighth symphony was left "Unfinished" when he died at age 31.

ANSWER: Franz **Schubert** [or Franz Peter **Schubert**]

<Classical Music — Ma> [Edited]

11. This official helped draft the Code Noir for France's Caribbean colonies. For 10 points each:

[H] Name this French chief minister who implemented several mercantilist policies while in office from 1661 to 1683. This minister also encouraged the king of France to establish the French Academy of Sciences.

ANSWER: Jean-Baptiste **Colbert**

[E] Colbert served as the chief minister to this French king, known as the "Sun King." Colbert's financial reforms were stifled by this king's spending on the Palace of Versailles and the War of Spanish Succession.

ANSWER: **Louis XIV** [or **Louis the Great** or **Louis le Grand**; prompt on **Louis**]

[M] Louis' first chief minister was Cardinal Mazarin, who continued the policies of this other powerful French cardinal. This man led France during the Thirty Years' War and was called the "Red Eminence."

ANSWER: Cardinal **Richelieu** [or Armand Jean **du Plessis**]

<European History — Prabhakar> [Edited]

12. One form of this technique uses an adiabatic jacket to measure the binding affinity between ligands and macromolecules. Another form of this technique linearly increases temperature to measure a polymer's glass transition temperature. One form of this technique uses an isochoric container full of pure oxygen to measure properties of a fuel upon (*) combustion. Styrofoam cups can be used to construct an apparatus used in the isobaric form of this technique, which sets heat equal to mass times change in temperature. For 10 points, name this technique that measures the change in heat of a reaction, which can be used to calculate a reactant's heat capacity.

ANSWER: **calorimetry** [accept isothermal titration **calorimetry** or differential scanning **calorimetry** or bomb **calorimetry** or coffee cup **calorimetry**]

<Chemistry — Schwartz> [Edited]

12. For 10 points each, answer the following about drawing techniques:

[E] These drawing implements have a layer of wood surrounding a lead. Different proportions of graphite and clay make them harder or softer, which influences how sharp the line they draw is; a medium grade of hardness is #2.

ANSWER: **pencils**

[M] When drawing with a pencil, this technique of *overlapping* lines can be used to suggest shading and depth. Where lines intersect more closely, figures appear darker under this technique.

ANSWER: **cross-hatching** [do NOT accept or prompt on “hatching”]

[H] This other technique can also create texture or depth, using dots instead of overlapping lines. Unlike in pointillism, this technique only uses dots of one color.

ANSWER: **stippling** [or **stipple**]

<Misc. Art — Gray> [Edited]

13. **The leader of a rebellion against this empire believed that his special medicine could turn bullets into water. This empire, which put down the Maji Maji Rebellion, also carried out the genocide of the Namaqua and Herero people in a different colony. This empire acquired the Caprivi Strip after signing the (*) Heligoland-Zanzibar Treaty. This empire’s colony in modern-day Tanzania, known as its namesake “East Africa,” was reorganized as a Mandate of the League of Nations after this empire lost World War I. For 10 points, name this empire which, during the Scramble for Africa, hosted the Berlin Conference.**

ANSWER: **German** Empire [or the Imperial State of **Germany** or **Deutsches** Kaiserreich]

<European History — Athreya> [Edited]

13. Johann Bernoulli, who posed this problem, gave both an algebraic and geometric proof showing that its solution is a cycloid curve. For 10 points each:

[H] Name this problem from mechanics which asks which curve gives the least-time descent for a falling, frictionless bead.

ANSWER: the **brachistochrone** (“bruh-KISS-tuh-krone”) problem

[M] Johann’s brother Jakob Bernoulli invoked this law in his solution because both it and the brachistochrone problem rely on the principle of least time. This law relates the sines of the refracted angles to the indices of refraction.

ANSWER: **Snell**’s law [or **Snellius**’ law]

[E] The brachistochrone problem was later solved in a challenge by this English physicist whose third law says that every force has an equal and opposite force.

ANSWER: Isaac **Newton**

<Physics — Bowman> [Edited]

14. **This author created an animal whose patch of white fur slowly grows to resemble a set of gallows. In that story by this author, the narrator escapes a house fire the night after he kills Pluto. In another story by this author, a group of partygoers stop dancing every hour when they hear an ebony clock chime. That story by this author of (*) “The Black Cat” features a party with seven rooms of different colors thrown by Prince Prospero. In a story by this author, the narrator confesses to murdering an old man with a “vulture eye” after being driven mad by the beating of the title object. For 10 points, name this author of “The Masque of the Red Death” and “The Tell-Tale Heart.”**

ANSWER: Edgar Allan **Poe**

<Other Literature — An> [Edited]

14. A director with this last name collaborated with performer Gene Kelly on films like *An American in Paris* and *Brigadoon*. For 10 points each:

[H] Give this last name of that director, Vincente. A performer with this last name, Liza, rose to prominence by playing Sally Bowles in Bob Fosse's musical film *Cabaret*.

ANSWER: **Minnelli** [accept Liza **Minnelli** or Vincente **Minnelli**]

[M] Liza Minnelli worked with Fosse again when she subbed in for Gwen Verdon on the original production of this musical, which opens with the song "All That Jazz." The 1996 revival of this musical is now the second longest-running show on Broadway.

ANSWER: **Chicago**

[E] Liza Minnelli is one of the few performers to have won an EGOT, meaning she has won an Emmy, a Grammy, an Oscar, and one of these awards. These awards recognize performances live on Broadway.

ANSWER: **Tony Awards** [or **Antoinette Perry Award for Excellence in Broadway Theater**]

<Musicals — French> [Edited]

15. In a painting from this country, Christ knocks on a door overrun with ivy and weeds while holding a lantern. In another painting from this country, Mary comforts a young Christ who has cut his hand in Joseph's carpentry shop. The painter of *The Light of the World* was from this country, as was an artist who depicted colorful flowers floating around a woman drowning in a river in the painting (*) *Ophelia*. John Everett Millais and Dante Rossetti helped found a movement in this country that painted in the style of the Early Renaissance. For 10 points, the Pre-Raphaelite Brotherhood was from what country whose Royal Academy was founded with the support of King George III?

ANSWER: **England** [or **Britain** or the **United Kingdom** or the **UK** or the **British** Empire; accept Great **Britain**]

<Painting — French>

15. In a poem in this language, a man searches in a garden for his "precious pearl without spot," but he falls asleep and dreams that he meets his infant daughter in Heaven. For 10 points each:

[H] Name this language used to write that poem, *Pearl*. A romance in this language uses the bob and wheel metrical scheme and sees its title character survive a beheading contest with Sir Bertilak.

ANSWER: **Middle English** [prompt on **English**]

[M] The title Arthurian knight faces Sir Bertilak in this romance usually ascribed to the anonymous author of *Pearl*. In this romance, Bertilak is revealed to be the same character as the knight named for the color of his skin.

ANSWER: *Sir **Gawain and the Green Knight***

[E] The verse of both *Pearl* and *Sir Gawain and the Green Knight* is based on this poetic technique. In this technique, all or most of the stressed words in a line begin with the same sound.

ANSWER: **alliteration** [prompt on **consonance**]

<Poetry — French> [Edited]

16. The recurring pause near the middle of most lines in this poem's first stanza is exemplified by the semicolon after the phrase "gleams and is gone." This poem describes the "vast edges drear / And naked shingles of the world" just before a stanza that begins, "Ah, love, let us be true / To one another!" The speaker of this poem remarks, (*) "Sophocles long ago / Heard it on the Ægean" in reference to the "eternal note of sadness" described a line before. This poem concludes, "we are here as on a darkling plain... where ignorant armies clash by night." For 10 points, name this poem by Matthew Arnold set on a beach known for its white cliffs.

ANSWER: "**Dover Beach**"

<Poetry — Lin> [Ed. French]

16. The Supreme Court ruled that one form of this policy had to be justified by a compelling government interest in *Adarand Constructors vs. Peña*. For 10 points each:

[H] Identify this kind of policy. These policies were also litigated in the Supreme Court cases *Grutter v. Bollinger* and a case brought forward by Allan Bakke.

ANSWER: **affirmative action** [accept **race-conscious** admissions or **race-conscious** hiring or **race-sensitive** admissions or **race-sensitive** hiring]

[E] Bakke sued this state's university system after he was denied admission. A ban on racial preferences in admission in this state led to less Black and Hispanic enrollment at the Los Angeles campus of its university system.

ANSWER: **California** [accept University of **California**]

[M] The Third Circuit Court of Appeals earlier defended this president's Philadelphia Plan that required government contractors in the city to hire minorities. Archibald Cox, a lawyer in the Bakke case, was previously fired by this president in the Saturday Night Massacre.

ANSWER: Richard Milhous **Nixon**

<American History — Delot-Vilain> [Ed. Prabhakar]

17. **As a young boy, this figure hurls a demon many miles away into the ocean after the demon disrupts a sacrifice. In one myth, another character tears his chest open to reveal this character and his wife. An evil maidservant convinces this character's aunt Kaikeyi to force him out of the kingdom. This character makes an alliance with the (*) vanara king Sugriva while spending fourteen years in exile in the Dandaka forest. The monkey army helps this character and his brother Lakshmana attack Lanka. This character and his wife Sita are fervently worshiped by Hanuman. For 10 points, name this character who slays Ravana at the end of a Hindu epic, the seventh avatar of Vishnu.**

ANSWER: **Rama** [or **Ram**; accept **Ramayana** or **Ramayan**; prompt on **Vishnu** before it is read]

<Mythology — Venkateswaran> [Edited]

17. This organization employs violent criminals as expendable D-class personnel. For 10 points each:

[H] Name this fictional organization whose wiki describes paranormal objects like a statue that snaps people's necks when no one is looking at it, designated 173.

ANSWER: **SCP** ("*S-C-P*") Foundation [or the **Foundation** or **Secure, Contain, Protect** or **Special Containment Procedures**; accept **SCP** Wiki or **SCP** objects or **SCP-173**]

[M] This character inspired SCP-582, an entity that takes on the properties of any stories written about itself. Some residents of the End in *Minecraft* are also inspired by this tall, thin Internet folklore character who stalks people in the woods.

ANSWER: **Slenderman**

[E] SCP-3008 appears to be an endlessly large one of these stores. This Swedish company, the largest furniture retailer in the world, sells flat-pack furniture and also snacks like meatballs in its stores.

ANSWER: **IKEA**

<Pop Culture — Yin> [Ed. Gray]

18. **A holder of this title is depicted subduing an enemy with a club in an engraving whose reverse side depicts two intertwined serpopards. Garments worn by these rulers include a blue crown decorated with a uraeus as well as the red-and-white double crown. These rulers' power was eclipsed by the nomarchs during the (*) First Intermediate Period. The first of these rulers may have been either Menes or Narmer, and their power was symbolized by the crook and flail. The Valley of the Kings houses many tombs of holders of this title who ruled during the New Kingdom. For 10 points, name these rulers of ancient Egypt.**

ANSWER: **pharaoh** [prompt on **king** or **king of Egypt** before "Kings" is read]

<World History — French> [Edited]

18. Mariano Azuela's novel *The Underdogs* is likely the first novel about this conflict. For 10 points each:

[H] Name this conflict. Ambrose Bierce's involvement and death in this conflict were fictionalized in *The Old Gringo*.

ANSWER: **Mexican Revolution** [or *Revolución mexicana*]

[M] This Mexican author and key figure in the Latin American Boom wrote *The Old Gringo*. This author detailed the final hours of a veteran of the Mexican Revolution in *The Death of Artemio Cruz*.

ANSWER: Carlos **Fuentes** [or Carlos **Fuentes** Macías]

[E] This real-life bandit and Mexican revolutionary orders the death of General Arroyo in *The Old Gringo*. Azuela's *The Underdogs* drew on his experience working as a doctor for this man, who is known by the nickname "Pancho."

ANSWER: Pancho **Villa** [or Francisco **Villa** or José Doroteo **Arango** Arámbula]

<Long Fiction — Condron> [Edited]

19. In this profession, non-essential information is often in the second "nut graph." Proximity, prominence, timeliness, and human interest can gauge whether something is "worthy" in this profession. Correct ordering of information from important to background is described in this profession as an (*) "inverted pyramid."

Sources in this profession might be "on background" or "on the record." "Burying the lede" in this profession is failing to answer the "five W's" in the introduction. In the U.S., writing in this profession is often in AP style. For 10 points, name this profession practiced by employees of the Washington Post and the New York Times.

ANSWER: **journalism** [accept descriptions of writing for **newspapers**; accept descriptions of writing in the **AP** style]

<Other — JMa> [Edited]

19. These things can be coated in "cages" of the triskelion-shaped protein clathrin. For 10 points each:

[H] Name these structures, the contents of which may be identified by SNARE proteins on their surfaces to aid in fusion.

ANSWER: **vesicles** [accept transport **vesicles** or secretion **vesicles**; prompt on **membranes**]

[M] SNARE proteins like VAMP1 in these structures can be broken down by tetanus toxin or botulism toxin.

Secretion vesicles are responsible for release of neurotransmitters in the clefts of these junctions between neurons.

ANSWER: **synapses**

[E] Vesicles targeted to this organelle from the ER are marked with the coat protein COPII. This organelle, named for an Italian biologist, packages proteins into vesicles for transport.

ANSWER: **Golgi** apparatus [or **Golgi** body]

<Biology — Sheffield> [Edited]

20. Epsilon squared is defined to be this value when working with dual numbers, which can be used for automatic differentiation. In multivariable calculus, this value is the divergence of the curl, and it is also the value of any closed-path line integral over a conservative vector field. The integral from $-a$ to a of an (*) odd function always equals this value. The derivative is either this value or undefined at local extrema. For a constant function the derivative takes this value everywhere, since this value is the slope of a horizontal line. For 10 points, name this integer which when multiplied by any number gives itself.

ANSWER: **zero**

<Math — Sheffield> [Edited]

20. Answer the following about phonetic changes currently occurring in North American English, for 10 points each:

[E] In California and the “Northern Cities,” chain shifts of these sounds cause them to rotate around the trapezoid they’re visualized on. These sounds are pronounced without obstruction of the vocal tract, unlike consonants.

ANSWER: **vowels**

[H] Many North American dialects are slowly adopting this property of pronouncing the “r” sound after vowels. Like most British dialects, a dialect that doesn’t pronounce the “r” in “heart” possesses the opposite of this property.

ANSWER: **rhoticity**

[M] Non-rhotic dialects usually compensate for losing the “r” by giving the vowel this property. This property is often incorrectly attributed to English diphthongs in classrooms, or might be marked with a line above the vowel.

ANSWER: **long** vowel [accept compensatory **lengthening**]

<Other Social Science — Gray> [Edited]