

## Cane Ridge Revival

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### TOSSUPS

1. **One passage in this novel likens the sound of hose-nozzles spraying on summer evenings to the buzz of locusts. One chapter in this novel ends with a 103-year-old woman peeing herself while being kissed by her great-great-grandson. One chapter in this novel describes a father singing “Google Eyes” to his son, who is scared of the dark. Schoolchildren in this novel sing a song mocking one character for having an African-American-sounding name; a new hat is bought for that character by his Aunt (\*) Hannah. This novel concludes with Uncle Andrew recollecting a butterfly alighting on a coffin during a funeral. It contains unnumbered chapters in italics, written from the point of view of the child Rufus, and opens with a section titled “Knoxville: Summer 1915”. For 10 points, name this semi-autobiographical novel in which Jay Follett’s wife and children deal with the aftermath of his fatal car accident, by James Agee.**

ANSWER: *A Death in the Family*

2. **A donkey stands at the base of two columns on the right of a depiction of this scene by the Le Nain brothers. A man plays the bagpipes in Domenichino’s version of this scene. In one depiction of this scene, a man with a red sleeve full of holes holds a staff in his left hand and a hat in his right while standing in front of the entrance to a cave. At the left of Mantegna’s depiction of this scene, a bearded figure in a red-and-yellow robe leans against and beneath an (\*) orange tree. This scene occupies the center panel of a triptych whose left panel features St. Anthony holding a bell and St. Thomas holding a spear. The foreground of that depiction of this scene features angels kneeling next to a sheaf of wheat and two vases of flowers. This scene is depicted in Giorgione’s *Allendale Nativity* and Hugo van der Goes’ *Portinari Altarpiece*. For 10 points, name this nativity scene that does not feature magi.**

ANSWER: Adoration of the Shepherds [prompt on “nativity” or “adoration”]

3. **X-ray crystallography of these proteins revealed that they are bent above their Calf domains at their “knees” until they are activated into an upright conformation. In metastasizing melanoma cells, the aggregation of these metazoan-specific proteins causes FAK to autophosphorylate and bind to Src (SARC). Binding to these proteins requires the recognition sequence RGD, which allows eptifibatide and abciximab to act as fibrinogen antagonists. These proteins are activated by kindlins and talins. These heterodimeric proteins include the target of the angiogenesis-inhibiting antibody Vitaxin, (\*) alpha-five beta-three, and the platelet complex Glycoprotein IIb/IIIa. These proteins serve a similar function to cadherins in hemidesmosomes and focal adhesions by linking the cytoskeleton to fibronectin in the extracellular matrix. For 10 points, name these transmembrane receptors that relay “inside-out” and “outside-in” signals between cells.**

ANSWER: integrins [antiprompt on specific integrins before mentioned]

4. **Ampelos was reincarnated as a vine after being killed by one of these creatures. One of these creatures was murdered by the Titans so that Briareus could burn its guts and defeat the gods; that one was a variant with a serpent’s tail that was imprisoned by Styx. Dirce was killed by being bound to one of these animals by Amphiion and Zetos. Another of these animals was captured by a man who sheltered with (\*) Hecale, and had earlier been one of several creatures to inspire Eurystheus to jump into a pithos; that one was sacrificed by Theseus. One woman was given the gifts of Talos and a javelin that never missed after she was taken by a god in this form. Daedalus built a special wooden structure to allow Pasiphae to couple with one of these animals. For ten points, name this animal in whose form Zeus ravished Europa, whose head appeared on the Minotaur.**

ANSWER: bulls

5. The word “Kadosh” is repeated three times in the Kedushah prayer to put it in accord with this text, which prohibited the Shema as excessively Unitarian. Accursius was one of the scholars who came to prominence after the rediscovery of this text as a document now known as the *Littera Florentina*, and that discovery was one reason for the founding of the University of Bologna in 1070. Athanasius of Emesa reorganized the last part of this text into one of many books called the *Syntagma*. This text includes the commentary of (\*) Paulus and Ulpian in its *Pandectae*, to which this text gave the force of law, and its *Institutiones* is a textbook. The *Novellae Constitutiones* is a supplement added to this text after its namesake’s death. The project to create this text was led by John the Cappadocian and Tribonian. For 10 points, name this compilation of all previous Roman law, first published in 529.

ANSWER: Justinian’s Code [or the Codex Juris Civilis]

6. This man criticized people he called “car-window sociologists” who tried to understand a community without leaving the train. He argued that poor whites were “compensated in part by a sort of public and psychological wage” as part of his explanation for the failure of a proletarian democracy in the post-Civil War South. This man claimed those in his condition were not able to experience true self-consciousness but “measuring one’s soul by the tape of a world that looks on in amused contempt or pity.” The last chapter of one of his books discusses the (\*) “sorrow-songs” excerpted at the beginning of the rest of the book’s chapters. This author of *Black Reconstruction* and *The Philadelphia Negro* said in the introduction to an essay collection that “the problem of the Twentieth Century is the problem of the color-line.” For 10 points, name this author of *The Souls of Black Folk*.

ANSWER: William Edward Burghardt DuBois

7. A poem in this collection claims Samson was “strangely close to those who died young” and “thousands seethed in the womb and willed to be him” before noting that his true shattering of pillars occurred when he burst into the world to choose and to achieve. Another poem in it describes an old, “wrinkled, withered” lifter and a young man who appears as if the son of a “neck and a nun.” That poem in this collection addresses at one point “you, who fall, with the (\*) thud that only fruit knows” while “the man is clapping his hands for your leap” and begins “But who are they, tell me, these Travellers?” That poem was inspired by Picasso’s painting *Les Saltimbanques*. These poems were composed while its author stayed at the namesake castle on the Adriatic. For 10 points, identify this set of ten poems, the first of which begins “Who, if I cried out, would hear me among the Angelic Orders,” and which was penned by Rainer Maria Rilke.

ANSWER: Duino Elegies [or Duineser Elegien]

8. One result of this theory states that spin susceptibility will decrease exponentially with temperature, though transition metals deviate significantly from that prediction. Strong evidence for this theory includes its ability to predict the heat capacity of vanadium in a certain temperature range. This theory explains why a threshold quantity for its validity is inversely proportional to the mass of the (\*) isotope used to construct the central material. This theory relies on the fact that two particles with half-integer spins, when combined, have an integer spin and will behave like a boson, not having to satisfy the Pauli exclusion principle. It posits that interactions with phonons will cause duplets of electrons to form Cooper pairs at low temperatures. For 10 points, identify this triply eponymous microscopic theory that successfully describes Type I superconductivity.

ANSWER: BCS theory [or Bardeen-Cooper-Schrieffer theory]

9. A type of drama named for people referred to by this term is exemplified by the 1963 film *Mujhe Jeene Do*. Sándor Rózsa is an example of the *betyárs*, groups of Hungarians known by this term, and the *armatoloi* leader Dimitrios Makris is considered another of these people. Lampião was the most prominent example of the *cangaços*, groups of people from Brazil known by this term. Examples of people known by this term active in the Balkans include the *klephts* and *hajduks*, and a leader of one kind of these people from India perpetrated the 1981 Behmai massacre, in which 22 Thakur (\*) landowners were killed. Phoolan Devi was known as these peoples' namesake "Queen" in India. Salvatore Giuliano and Pancho Villa were discussed in a 1969 study named for this kind of person. For 10 points, Eric Hobsbawm discussed Robin Hood as an example of the "social" type of what kind of person?

ANSWER: social **bandits** [accept **highwaymen** and **brigands** until "Phoolan Devi"; accept **dacoits**; accept specific types such as **klephts** and **cangacos** until mentioned; prompt on more generic answers like **outlaws** or **thieves**]

10. One text describes the culmination of this practice as a "little butterfly" that "dies with supreme joy" and likens it to rainwater falling from heaven into a river. In a parable about this practice, a king orders his servants to cast a group of people into the outer darkness after seeing their attire. The *Spiritual Cantic* of St. John of the Cross is narrated by people undergoing this practice, which was called the "seventh mansion" of the *Interior Castle* by St. (\*) Teresa of Ávila. Matthew 25 compares the Kingdom of Heaven to five wise and five foolish torchbearers waiting to undergo this practice. Revelation 19:9 describes a supper celebrating the Lamb undergoing this practice, which was performed in a vision by a saint martyred on a spiked wheel. For 10 points, name this ceremony contrasted with spiritual union, whose "mystical" form, as practiced by St. Catherine, is the subject of bridal theology.

ANSWER: spiritual/mystical **marriage** [accept word forms; accept any related answers like **weddings**, **betrothal**, **matrimony**, holy **nuptials** or **espousal**; prompt on "feast," "supper," "dinner," "banquet" or any other answer related to a meal or generic gathering]

11. Schubert's only chamber work scored for both strings and winds is written for this many instruments. Stravinsky included variations, such as a cancan and a fugato in 5/8, in a work for this many instruments that is often considered the first of his "Neoclassical" period. A scale alternating between half-steps and whole-steps is named for the fact that it contains this many different pitches. Mendelssohn's Opus (\*) 20 is for this many strings. Beethoven's symphony of this number is his last to feature a third-movement minuet, and purportedly imitates a metronome in its second movement. Mahler's symphony of this number includes the character of the Mater Gloriosa in its setting of the closing scene from Goethe's *Faust*. That symphony of this number also sets the "Veni creator spiritus" hymn and requires several vocal soloists and three choirs. For 10 points, name this number of the "Symphony of a Thousand".

ANSWER: **8**

12. Rules concerning the storage of integrity constraints in the catalog and the ability to update views are among a set of twelve rules defining a system described by this adjective. A theorem with the same namesake as those rules establishes the equivalence of two calculi and an algebra all described by this adjective. The algebra with this name underpins a model described by E. F. Codd which is contrasted with the hierarchical and network models. Things that implement the model of this name can be normalized by limiting functional dependencies and support operations like (\*) projection, selection and natural join as part of an algebra with this name. Things that implement this model consist of tuples organized into tables with fixed schema which can then be queried. For 10 points, give this word that describes the most common type of database, a word which, in mathematics, simply refers to a subset of a Cartesian product.

ANSWER: **relational** [model or database or algebra or calculus]

13. Ely Parker, who was one of these people, prevailed against the Ogden Land Company in the 1857 case *Fellows v. Blacksmith*, which held that the Treaty of Buffalo Creek could only be used by the federal government to force the defendant to give up his sawmill. The Cherry Valley Massacre sparked the Continental Congress to order John Sullivan to attack the territory of some of these people, culminating in the Battle of (\*) Newtown, after divided loyalties among them led to the Battle of Oriskany. Some of these people gave up land they'd won in the Beaver Wars 150 years earlier and relocated to the Haldimand Grant in Ontario under the terms of the 1784 Treaty of Fort Stanwix, where they were represented by Joseph Brant. For 10 points, name this group of lacrosse-playing Indian tribes including the Oneida and Mohawk that formed a namesake Confederacy centered on upstate New York.  
ANSWER: Iroquois [accept Seneca or Tonawanda before "Cherry Valley Massacre" is mentioned]

14. In one work, this man urges "be a teacher" to a man to whom he gives a silver cup, and who expresses admiration for Machiavelli. When asked to sign a certain document "for fellowship", this man asks if his addressee will in return join him in hell "for fellowship" when he is damned there. A speech by this man declares that he would give the Devil the benefit of law. This man is condemned by Richard (\*) Rich's perjury in a play in which his manservant, his executioner, and the foreman of the jury that sentences him are played by a character called The Common Man. In a work by this man, unappealing objects like chamber pots are made of gold in order to foster dislike for gold. That work by this man tells of Raphael Hythloday's travels to the title idyllic island, whose name means "no land". For 10 points, name this protagonist of Robert Bolt's *A Man for All Seasons*, the real-life author of *Utopia*.  
ANSWER: Sir Thomas More

15. In one film by this director, a horse is shown falling down a flight of stairs before being impaled on a spear. Though that film by him is shot in black-and-white, it ends with a color shot of three horses grazing in a meadow. In one film by him, a shot of a woman sitting on a table underneath a chandelier precedes close-ups of parts of Bruegel's *Labors of the Months* and a man and woman embracing while levitating. That film by him includes a committee's examination of a man who claims to have seen the gigantic (\*) face of a child in the ocean. In one movie by him, the title Medieval artist is inspired to resume painting after seeing a bell being cast and rung. The protagonist is troubled by hallucinations of his dead wife Hari in a film by this director, ending with the reveal that Kris Kelvin is on an island in the namesake planet. For 10 points, name this Russian director of *Andrei Rublev* and *Solaris*.  
ANSWER: Andrei (Arsenyevich) Tarkovsky

16. One work distinguishes this concept from lust, by suggesting that this concept does not impel us to possess an object. Francis Hutcheson argued that this concept arises through the possession of "uniformity amidst variety". One thinker claimed that to apply this concept is to simultaneously demand agreement while admitting of disinterest in an object's real existence. This concept titles a book that distinguishes between work and (\*) play, to separate moral value from valuing this concept, which is discussed as "the manifestation of God to the senses". One work claims that this concept stems from sympathy and the "social passions", and contrasts it with a concept that instills a feeling of terror or awe. George Santayana defined it as "the objectification of pleasure" in a work title for *The Sense of* this concept. For 10 points, name this primary subject of aesthetic philosophy, which is often opposed to "the sublime".  
ANSWER: beauty [or the beautiful; accept *The Sense of Beauty*; prompt on "aesthetics" or forms of that word]

17. A compound containing a heteroatom of this element reacts with DFP in a one-step synthesis of sarin gas. Reagents containing this element that can oxidize primary alcohols to aldehydes include DMP and IBX, which reacts through a “hypervalent twisting” mechanism. In two similar reactions employing silver salts, a cyclic cation of this element is opened by nucleophilic attack to synthesize vicinal diols. Under basic conditions, a yellow solid containing three atoms of this element will precipitate after three successive (\*) enolizations, giving a positive result in a test for methyl ketones. The Prévost and Woodward hydroxylations employ the diatomic form of this element, which is a common indicator for starch. This element’s radical substitution is too endothermic to halogenate alkanes. For 10 points, name this sublimation-prone element found on the periodic table below bromine.

ANSWER: iodine [accept I or I<sub>2</sub>; accept iodide]

18. This author wrote a story in which a chef drowns a violinist in a tureen of steaming soup for distracting diners from appreciating the chef’s masterpiece. In another work by him, women of the “disenfranchisement movement” stage weeping demonstrations in opposition to Hermann the Irascible’s law making voting compulsory for women. In one of his stories, Cornelius Appin teaches a cat to talk, but its habit of spreading embarrassing gossip leads everyone to try to kill it. This author created (\*) Conradin, who worships the title ferret, which kills his guardian. The line “Romance at short notice was her specialty” ends a story by him in which Vera Sappleton frightens Mr. Nuttel by convincing him that the hunters returning through the title entrance are ghosts. For 10 points, name this British short story writer who included “Sredni Vashtar” in his *The Chronicles of Clovis* and wrote “The Open Window”.

ANSWER: Saki [or H.H. Munro]

19. This politician was succeeded in one of his posts by the first mayor of Shanghai, Chen Yi, and was attacked as the “modern-day Confucius” in the later part of one political campaign. Following this man’s death, thousands of people ignored mourning guidelines by placing memorial wreaths, prompting their removal during the Qingming festival in an incident at Tiananmen Square. This man narrowly avoided an assassination attempt by missing his flight on the Kashmir Princess and moderated talks between Yang Hucheng and Zhang Xueliang during the (\*) Xi’an Incident. This pro-modernization leader agreed not to seek “hegemony in the Asia-Pacific region” by signing the Shanghai Communiqué during a visit by Richard Nixon that this former foreign minister helped orchestrate. For 10 points, name this top aide to Mao Zedong, the first premier of the People’s Republic of China.

ANSWER: Zhōu Ēnlái [prompt on partial answer]

20. One impetus for the adoption of this policy was the prosecution of Morris Schappes for perjury before the Rapp-Coudert Committee. A notable violation of this policy occurred in 1968 in the Ocean Hill-Brownsville Community Control District, in which most of the victims were Jewish and the necessary funding was provided by a pilot project of the Ford Foundation. Charles Kendall Adams effectively bestowed this on Richard Ely, the founder of the American Economic Association and a supporter of labor unions, in a report that defends (\*) “sifting and winnowing” in pursuit of truth. A 2008 contract that would have abandoned this policy in exchange for steeply graded salaries up to \$130,000 to be provided by the Gates Foundation was rejected in a defeat for Michelle Rhee, then the Washington DC schools chancellor. For 10 points, what is this policy that bestows job security on teachers and university professors?

ANSWER: tenure

## BONUSES

1. The calculus of variations was developed partially to help solve this problem. For 10 points each:

[10] Identify this problem from physics, which asks what curve will fastest transport a mass only acted on by gravity.

ANSWER: **brachistochrone** problem [do not accept tautochrone problem]

[10] The solution to the brachistochrone problem is this curve, which can be generated by tracking the motion of a point on the circumference of a rolling circle. An ideal time-keeping pendulum would swing in this path.

ANSWER: **cycloid**

[10] The calculus of variations can also be used to solve this class of second-order linear ODEs, which can be recast as eigenvalue problems for self-adjoint operators. Regular examples have an infinite, ordered spectrum of real eigenvalues.

ANSWER: **Sturm-Liouville** equations or problems or theory

2. In this poem, Edmund Curll calls upon assistance from the goddess Cloacina to beat Bernard Lintot in a race to capture the ghost of the poet Moore. For 10 points each:

[10] Name this poem in which Lewis Theobald is crowned by the goddess Dulness as the successor to Elkanah Settle. Theobald was replaced by Colley Cibber in a second version.

ANSWER: The **Dunciad**

[10] Like most of Alexander Pope's poetry, *The Dunciad* is written in heroic couplets, which are rhymed couplets in this meter, made up of five feet, each foot consisting of one unstressed and one stressed syllable.

ANSWER: **iambic pentameter** [prompt on partial answer]

[10] Pope was a contemporary of this Scottish poet of *The Seasons* and the lyrics to "Rule, Britannia". A Victorian poet of the same name wrote under the pseudonym Bysshe Vanolis.

ANSWER: James **Thomson**

3. One of these pieces, its composer's Opus 42, begins with a long trill on E-flat before the right hand plays a duple-phrased melody against the left hand's triple rhythm. For 10 points each:

[10] Name these works. The second from their composer's Opus 64 is a popular one in C-sharp minor, and the first from their composer's Opus 69 was written as a farewell to the composer's ex-fiancée.

ANSWER: Frederic **Chopin's waltzes** [accept "vales" for "waltzes"]

[10] Another triple-time dance form employed by Chopin is this one, named for Chopin's country of origin. He wrote examples nicknamed "Heroic" and "Military".

ANSWER: **polonaises**

[10] Chopin's piano music is typically played in a manner denoted by this Italian term, indicating expressive freedom of tempo. This term gets its name from the idea of stealing time from one beat to give to another.

ANSWER: *tempo* **rubato**

4. This writer claimed that Johann George Hamman was the first to understand human cognition as a linguistic rather than purely rationalist process in his *Three Critics of the Enlightenment*. For 10 points each:

[10] Name this historian of ideas who divided thinkers into those whose worldviews are defined by a single idea and those whose worldviews aren't in his *The Hedgehog and the Fox*.

ANSWER: Isaiah **Berlin**

[10] This founder of the "Cambridge School" of historiography and author of *The Foundations of Modern Political Thought* built on Berlin's concept of "negative liberty" in attempting to define the "neo-Roman" concept of liberty, as understood by Renaissance and Reformation thinkers such as Machiavelli.

ANSWER: Quentin (Robert Duthie) **Skinner**

[10] This historian of ideas criticized contemporary America's approach to intellectualism in his *The House of Intellect*. He chronicled the history of Western culture from 1500 to the present in his *From Dawn to Decadence*.

ANSWER: Jacques (Martin) **Barzun**

5. The organization PEPPADEP attempted to instruct peasant farmers on how to raise these animals. For 10 points each:

[10] Name these animals, which are affected by a devastating fever of African origin. The United States insisted that Haiti exterminate the entirety of its population of these animals in order to avoid economic repercussions.

ANSWER: swine [accept equivalents like domestic pigs]

[10] The mass slaughter of swine near the Dominican border was ordered during the reign of this Haitian leader, whose father had ordered a mass slaughter of black dogs.

ANSWER: Jean-Claude Duvalier [or Baby Doc Duvalier; prompt on Duvalier]

[10] During the regime of François Duvalier, this leader of the Tontons Macoutes became known for his embezzlement and selling blood and cadavers to Western enterprises, for which he was known as “The Vampire of the Caribbean.”

ANSWER: Luckner Cambronne

6. One example of these events is marked by the replacement of V-shaped graptolites with tubular ones. For 10 points each:

[10] Name this type of geohistorical event, another one of which is marked by an anomalous abundance of iridium. One explanation for some of them popular on Wikipedia is gamma ray bursts directed at the earth.

ANSWER: Mass Extinction Events

[10] Mass extinctions are evidence in favor of this philosophy of geological history supported by Georges Cuvier and Immanuel Velikovsky. It holds that earth’s history is a succession of static “worlds” separated by namesake events.

ANSWER: catastrophism [do NOT accept “catastrophe theory”]

[10] The idea that earth is currently undergoing a mass extinction is one argument in favor of the concept of the “anthropocene.” Another is that entirely new, diverse ocean ecosystems have been catalogued living on this material.

ANSWER: plastic

7. If these are not performed during a marriage, the marriage ends at death. For 10 points each:

[10] Give the name for these Mormon rituals, performed in order to make family relationships possible throughout eternity. They are typically performed between spouses or between parents and their children.

ANSWER: sealings

[10] Some Mormons also controversially perform this ritual on dead people by immersing living people in water on behalf of the deceased.

ANSWER: baptism

[10] Only members of this greater of the two Mormon male priesthoods who have undergone the Endowment may perform baptism on dead people. This priesthood is named for a king of Salem.

ANSWER: Melchizedek priesthood

8. The initial concession granted to this man required that all the settlers he recruited be Catholic, which he ensured by having them all take fraudulent oaths. For 10 points each:

[10] Name this *empresario* who led the “Old Three Hundred” and was opposed by Lucas Aleman, provoking him to support Santa Anna’s rebellion.

ANSWER: Stephen Austin

[10] Austin opposed this 1826-27 rebellion by a distinct settlement of Texas Anglos near Nacogdoches, led by Haden Edwards. This rebellion is sometimes considered the start of the Texan independence movement.

ANSWER: Fredonian Rebellion

[10] Austin lost the first presidential election of an independent Texas to this man, the hero of the Battle of San Jacinto, who vetoed Texas’ annexation of California to no avail. He later served as US Senator and Unionist governor.

ANSWER: Sam Houston

9. He wrote an opera about the romance between the poor fisherman Zéphoris and the Princess of Goa, Néméa; that is his *Si j'étais roi*. For 10 points each:

[10] Name this French composer. The ghost of the title peasant maid saves Prince Albrecht from the revenge of spirits called the Wilis in his *Giselle*.

ANSWER: Adolphe (Charles) **Adam**

[10] This ballet by Adam features Conrad's rescue of his beloved from the Seid Pasha. Its *pas de deux* between Medora and the slave Ali is perhaps the most popular *pas de deux* in all of French classical ballet.

ANSWER: *Le Corsaire* [or *The Corsair*]

[10] The *pas de deux* for the Petipa version of *Le Corsaire* was arranged by this Italian composer, who re-arranged the music for the Petipa version of *Swan Lake*, and who himself composed *The Awakening of Flora*.

ANSWER: Riccardo **Drigo**

10. The protagonist of this work often recalls the songs and stories of a fellow slave named Macandal and travels to Cuba with Lenormand de Mezy. For 10 points each:

[10] Name this novel by Alejo Carpentier that follows the slave Ti-Noël's life during the Haitian Revolution.

ANSWER: *The Kingdom of This World* [or *El reino de este mundo*]

[10] In the prologue to *The Kingdom of this World*, Carpentier claimed that the existence of this style in Latin American fiction is natural, unlike surrealism in European literature. This style places fantastical events in mundane settings, and is exemplified by works like *One Hundred Years of Solitude*.

ANSWER: **magical realism** [or **marvelous realism** or *lo real maravilloso* or **realismo mágico**]

[10] This Chilean author claimed that "magical realism reduces a much too complex situation and just makes it cute" in "Magical Neoliberalism." He co-edited the anthology *McOndo* with Sergio Gómez

ANSWER: Alberto **Fuguet**

11. The formation of one of these bonds in a rhenium complex requires the adoption of a sterically unfavorable structure with eclipsed chloride ligands. For 10 points each:

[10] Name these short, strong, rotation-hindering bonds discovered by F. A. Cotton. They contain exactly one delta bond between two d orbitals and have been found in bimetallic complexes of chromium, tungsten and molybdenum.

ANSWER: **quadruple** bonds

[10] Quadruple bonds form between atoms of these elements found in the d-block of the periodic table. These metals in groups three through twelve often exhibit many oxidation states and are contrasted with the main-group elements.

ANSWER: **transition** metals [accept **transition** elements]

[10] The bonds of polyatomic molecules formed from main-group elements can be analyzed by creating these constructs based on character tables. Molecules without a central atom can be broken into fragments to find these representations.

ANSWER: **SALCs** [or **symmetry-adapted linear combinations** of atomic orbitals; prompt on molecular orbitals]

12. You are a Marxist. Explain some doctrines that you believe in, for 10 points each.

[10] You model society according to a metaphor in which a society's means of production form its "base". Built on that base are all ideological and cultural relations, which form this concept.

ANSWER: **superstructure** [or **überbau**]

[10] You believe that there is a subsection of the working class, including criminals, which will never achieve class consciousness; you call them by this term. However, your friend has been reading Fanon's *The Wretched of the Earth* and believes that securing this group's help is the key to decolonization.

ANSWER: **lumpenproletariat** [prompt on "proletariat"]

[10] You believe that because different people's relations of production are at different stages, individuals do not have synchronous experiences of the "Now". That concept of "non-simultaneity" was developed by this German Marxist author of *The Principle of Hope*.

ANSWER: Ernst **Bloch**



13. The author of this essay collection continually refers to the difference between a writer and a critic, saying in the essay “Words Into Fiction” that writers take advantage of the “mystery of language” while critics work to solve it. For 10 points each:

[10] Name this collection of seven essays which also contains a section with reviews of E.M. Forster, Jane Austen, and Willa Cather, among others. This collection preceded its author’s autobiographical essays: *One Writer’s Beginnings*.

ANSWER: *The Eye of the Story*

[10] *The Eye of the Story* is a work by this author who wrote about Laurel Hand, who takes care of her father Judge McKelva in *The Optimist’s Daughter*.

ANSWER: Eudora (Alice) Welty

[10] In a short essay in *The Eye of the Story*, Welty replies to the question of whether or not a character is dead in this story in which Phoenix Jackson walks through the woods into town to get her grandson medicine.

ANSWER: “A Worn Path”

14. Like many others, this writing system is derived from one created by the Phoenicians. For 10 points each:

[10] Name this writing system, used by Strabo to write *Geographica* and by Herodotus to write *The Histories*.

ANSWER: Greek alphabet

[10] Name either of the two brothers credited with devising the Greek-derived Glagolitic alphabet, which was used to write works in Old Church Slavonic.

ANSWER: Saint Cyril or Saint Methodius

[10] The letter *sho* was added to the Greek alphabet in order to write this language. The rulers of the Hephthalite and Kushan empires used this language for official inscriptions.

ANSWER: Bactrian [or Arya; do not accept “Bactrian Greek” or anything with “Greek” in it]

15. It was painted in 1888, while its artist still resided in Brittany. For 10 points each:

[10] Name this painting of Jacob wrestling the angel while a group of white-bonneted French peasant women watch.

ANSWER: *Vision After the Sermon*

[10] This artist painted *Vision after the Sermon* before he moved to Tahiti and painted *Where Do We Come From? What Are We? Where Are We Going?*

ANSWER: (Eugene Henri) Paul Gauguin

[10] Before moving to Tahiti, Gauguin worked extensively in this French commune where he painted *Vision After the Sermon* and most of his early landscapes. Artists who painted here due to Gauguin’s inspiration, such as Robert Wylie and Paul Serusier, became known as the art colony’s namesake “school”.

ANSWER: Pont-Aven

16. This method was developed after a psychologist noticed the high correlation in test scores for apparently unrelated topics among schoolchildren. For 10 points each:

[10] Name this method of statistical analysis in which covariance between surface attributes is assumed to be driven by a smaller number of internal attributes.

ANSWER: factor analysis

[10] Charles Spearman explained the testing correlation with the “g factor,” which is a general measure of this quality. Tests created to measure this include the WAIS and Stanford-Binet.

ANSWER: intelligence

[10] Raymond Cattell used factor analysis to identify these two components of general intelligence. One accounts for the ability to recognize patterns in new situations and the other describes the ability to use previously learned facts.

ANSWER: fluid and crystallized intelligence

17. Upregulating vasopressin induces this behavior in normally polygynous male voles by facilitating pair bonding. For 10 points each:

[10] Name this classic alternative male strategy practiced by swans, albatrosses and many humans. This mating system involves one male mating with one female.

ANSWER: serial monogamy

[10] In this other alternative male strategy, rare morphs mimic females in order to get close and mate with them without dominant males noticing. They are common in lekking species like ruffed grouse.

ANSWER: sneaker males [accept fader males; accept streaker males; do not accept satellite males]

[10] Marlene Zuk documented selection for a silent morph in a Hawaiian species of these animals in response to a parasitoid that kills calling males. These arthropods respond to temperature according to Dolbear's Law.

ANSWER: true crickets [or Gryllidae; accept specific crickets; prompt on "orthopterans" or "insects" or other less specific answers; do not accept grasshoppers, weta or locusts]

18. Richard Zenith has twice translated this work, which includes a mixture of prose, poetry, and fictional diary entries. For 10 points each:

[10] Identify this collection of posthumously assembled fragments by Fernando Pessoa, which he wrote while employing the persona of Bernardo Soares.

ANSWER: *The Book of Disquiet* [or *Livro do Desassossego*: *Composto por Bernardo Soares, ajudante de guarda-livros na cidade de Lisboa*]

[10] This author of *The Unbearable Lightness of Being* included a description of the erasure of Vladimir Clementis from a photograph in his *The Book of Laughter of Forgetting*.

ANSWER: Milan Kundera

[10] This medieval French author described Reason, Rectitude, and Justice helping to build the title city in her *The Book of the City of Ladies*, which was a response to the misogynistic attitudes of *The Romance of the Rose*.

ANSWER: Christine de Pizan

19. The Angevins maintained a claim on the throne of this kingdom, prompting Charles VIII to invade after the death of its ruler, Don Ferrante. For 10 points each:

[10] Name this kingdom, whose *de jure* suzerainty was recognized in the Treaty of Gaeta by Skanderbeg in return for support against the Ottomans. Its ruler, Frederick IV, was succeeded by a ruler from the house of Trastámara.

ANSWER: Kingdom of Naples [or Regno di Napoli; accept other names for Naples like Neapolis]

[10] Skanderbeg was a Kastrioti nobleman from this modern-day Balkan nation.

ANSWER: Albania

[10] Skanderbeg formed this alliance of Albanian principalities in 1444 against the Ottoman Empire. This alliance had its capital in a namesake city, and it is typically considered the first unified Albanian state.

ANSWER: League of Lezhë [accept similar answers; accept Lidhja e Lezhës; accept generalis consilium since "League of Lezhe" is a term invented by later historians]

20. Some mythical beasts are just impossible to identify. For 10 points each:

[10] No one knows what the animal representing this evil Egyptian desert god and enemy of Horus is supposed to be. Popular candidates are aardvarks, donkeys, jackals, Fennec Foxes and greyhounds.

ANSWER: Seth [or Sutekh]

[10] This Celtic people likely had legends about an apparently aquatic beast with a trunk. That creature, which may be an eel, kelpie or Loch Ness Monster, was depicted on the symbol stones of this Scottish people.

ANSWER: Picts

[10] The Brazilian minhocão may be a glyptodont, caecilian or one of these animals. A deadly cryptid that may be one of these animals can spit acidic venom and fire off electricity.

ANSWER: earth worms [prompt on "annelids" or "oligochaetes" or other less specific answers; accept Mongolian Death Worm or olgoi-khorkoi]