

Western Invitational Tournament 2013

Packet by Dartmouth University (Nick Jensen, Cameron Orth, Jeremy Whitaker)

Tossups

1. In one of the first actions in one these conflicts, the Connaught Rangers were decimated by Frans Joubert's troops. In another of these conflicts, a trio of disasters comprising "Black Week" included Redvers Buller's attempt to dislodge entrenched enemy troops at Colenso. The death of George Colley in the first of these conflicts forced Evelyn Wood to negotiate peace. A siege during one of them witnessed a daring assault by Cornet Eloff at (*) Mafeking. The first of these conflicts was partly caused by one side's breach of the Sand River Convention following Sir Theophilus Shepstone's annexation of the Transvaal Republic. For 10 points, name this pair of conflicts between the British Empire and Dutch settlers in modern-day South Africa.

ANSWER: The Boer Wars [accept The First Boer War or The Second Boer War until "pair", after which they should be prompted]

2. John Haugeland used a linguistic analogy by this idea's formulator to characterize it as a "way of life." This concept becomes a subject responsible for explaining an objective universe when "Things" are analyzed under the paradigm of "presence-at-hand." Its formulator emphasized its ontological difference from the rational-cognitive features of existence and called for an (*) "existential analytic of [this]" to better interpret the *a priori* structures of existence. This entity can fall from "dwelling" in the world through formation of the inauthentic self. For 10 points, name this term that encompasses the whole mode of "being" experienced by humans, which is fleshed out in Martin Heidegger's *Being and Time*.

ANSWER: dasein

3. The relative motion of this object is the subject of a hypothetical violation of the strong equivalence principle called the Nordvedt effect. Several parameters governing this body's orbit are named for Delaunay. This object's magnetic field is not dipolar, indicating that it is not generated by a dynamo, but rather originates from its (*) crust. The Nectaris impact basin is used to define two of this object's geologic periods, and its largest impact crater is the Aitken basin. It is believed to have been formed by the impact of Theia, a Mars-sized body. Mascons are gravitational anomalies of this body, possibly due to its basaltic maria, or seas. For 10 points, name this crater-filled satellite of the Earth.

ANSWER: the moon [or Luna]

4. Par Lagerkvist dramas often represent God as an old man with this profession. This profession is practiced by Jonathan Draeger, who leads a strike that affects the Stamper family. Three members of this profession discuss Leonardo's escape with the Bride in the final act of *Blood Wedding*. Ken Kesey's time at a farm in Oregon prompted him to write about these workers in *Sometimes A Great Notion*. A short story containing six conflicting accounts of a (*) samurai's death opens with an account from one of these people. For 10 points, name this profession, held by the man who finds the body in "In a Grove," as well as recurring American literary figure Paul Bunyan.

ANSWER: woodcutters [or lumberjacks]

5. Early instructions for raising these animals and butchering them upside-down are found in the *Opera dell'arte del cucinare* of Bartolomeo Scappi, the personal chef of Pope Pius V. Bones of these animals found at the Jaguar Paw Temple at El Mirador suggest that they may have been sacrificed at Mayan feasts. An extinct lineage of these animals was domesticated around 200 BCE by the (*) Anasazi, while extant breeds originate from around 800 BCE on the Yucatán Peninsula. This animal is "a little vain and silly" but nonetheless "would not hesitate to attack a Grenadier of the British Guards" according to Ben Franklin, who supported it as the national bird over the bald eagle. For 10 points, name this domestic poultry species pardoned by US presidents on Thanksgiving.

ANSWER: wild/domestic turkeys [or Meleagris gallopavo; prompt on answers like birds or poultry]

6. In a controversial interview with *Der Spiegel*, geneticist George Church claimed that he could produce a clone of this creature. Numerous fossils of these animals are found in the Levant, including nine found by Ralph Solecki near some pollen in the Shanidar Cave of the Zagros Mountain, suggesting that they may have

conducted (*) “flower burials.” Svante Paabo led the Max Planck Institute’s sequencing of the genome of this Mousterian tool-using species, which confirmed that it possessed the same variant of FOXP2 as humans, but the jury’s still out on whether or not they interbred with them. For 10 points, name this brow-ridged Pleistocene hominid species named for a German valley and wrongly maligned for being unintelligent.

ANSWER: Neanderthals [or *Homo neanderthalensis*; prompt on hominids or primates or other less specific answers]

7. A Narragansett story tells how this animal broke its tail falling out a tree after wishing for snow to play in. A Cree legend describes lynxes Achaanwaapush, a cannibalistic one. The Centzon Totochtin are four hundred of these animals who get hammered incredibly often. A procession of these animals bearing torches follows the mistress of the Wild Hunt, Holda. A superstition holds that you should repeat their name (*) three times on the first day of the month. In Chinese myth, one of these animals makes the elixir of life with Chang’e on the moon and another came in fourth place in a race that determined the order of the zodiac. Those with antlers are known as jackalopes. For 10 points, name this animal, one of whom hands out candy on Easter.

ANSWER: rabbits [accept lagomorphs; accept leporids; accept hares; accept bunnies; accept wabbits; accept specific species]

8. Iyad Ag Ghali has been on the losing side of this nation’s most recent spate of foreign involvement. This country’s most prolific actor was recently called “pathetic” by its prime minister for attempting to evade taxes by moving to Russia. Dissatisfaction with this nation’s present ruling party has led to speculations that the National Front may be strengthening. This nation currently leads Operation Serval against Ansar (*) Dine, in which capacity it has helped seize Gao and Timbuktu from rebel forces in Mali. For 10 points, name this nation governed by François Hollande, the subject of a recent *Economist* cover about a “baguette bomb”.

ANSWER: France [or French Republic; or Republique Francais]

9. This composer included a poem by Holty in a work dedicated to Clelia Gatti-Aldrovandi, his *Harp Sonata*. This man wrote a symphony that includes a third movement “Colloquy” that involves offstage violin and viola soloists. This composer of *Symphonia Serena* also wrote a piece whose second movement uses a “Chinese” flute that repeats a melody eight times and is based off of another composer’s incidental music to the play *Turandot*. He may be best known for a symphony that whose movements are based off of the (*) *Isenheim Altarpiece*. For 10 points, name this 20th century German composer of *Symphonic Metamorphosis of Themes by Carl Maria von Weber*, who based a symphony off of his opera *Mathis der Maler*.

ANSWER: Paul Hindemith

10. In a painting in this series, a small boy in blue crosses a stone bridge while a stone temple in the background emits dark smoke. Another painting in this series shows a hunter carrying a bow on the left chasing a deer across a brook. Birds nest on top of a large column in the last painting in this series, in which a pale moon can be seen. The fourth painting in this series contains a (*) headless statue holding a shield and pointing leftward, towering over men engaging in rape, pillage, and the destruction of ships. “The Savage State” opens this series, whose other entries see that state’s consummation, destruction, and desolation. For 10 points, name this series of five paintings by Thomas Cole, which depicts the rise and fall of a civilization.

ANSWER: *The* Course of Empire

11. In one video game, a penguin whose name is a pun on that of this person resides in a secret study that is accessed by using the Warehouse Key to reach a spring. This man’s namesake daiquiri calls for grapefruit juice. He names an album that includes a song claiming “he didn’t like it watered down / he took it straight up and neat” in reference to his (*) whiskey. He was a noted fan of polydactyl cats. In *Licence to Kill*, M meets James Bond in this man’s home on Key West, where he lived with his second wife Pauline. For 10 points, name this man, nicknamed “Papa,” who captained the fishing boat *Pilar* and was fond of safaris and big game hunting, three pursuits whose experiences he drew on to write his stories and novels.

ANSWER: Ernest “Papa” Hemingway [accept Herringway in the first sentence]

12. One title object of a poem by this author is said to originate from “lances of proud glaciers” and “shivers of cow-parsley” and is portrayed as white, unlike its counterparts. Another of his poems describes how “blood flowed at Blue Beard’s” and “a hare...said its prayer to a rainbow”. In that poem, Eucharis resumes

the title event because it is spring again. That work opens this poet's unfinished collection (*) *Illuminations*. He described assigning colors to vowels in "Delirium II", which is found in his most famous work. In another part of that work, this author of "After the Flood" described "green water" penetrating the "pinewood hull" of the title vessel. For 10 points, name this French author of "The Drunken Boat" and *A Season in Hell*.

ANSWER: Jean Nicolas Arthur Rimbaud

13. Carlo Ciampi's meetings with Theo Waigel and Hans Tietmeyer were instrumental accomplishing this action under the Prodi administration. In 2012, Lord Mandelson claimed that Britain could accomplish this action within ten years in a "Mark Two" incarnation of the current system, a surprising comment in the wake of anti- (*) austerity protests. This action requires zone members to meet "convergence criteria" and adhere to the Stability and Growth Pact, although it has also been partially performed by microstates not administered by the ECB. For 10 points, name this action first accomplished by ERM II and the Treaty of Maastricht, which created a unified currency for members of the European Union.

ANSWER: adopting the Euro [or joining the Eurozone; accept answers synonymous to those two; prompt on answers like changing currency; do not accept or prompt on "joining the European Union"]

14. Gauss proved that an n-gon is constructible with compass and straightedge if and only if this function of n is a power of 2. This function of n gives the degree of the field extension when adjoining a primitive nth root of unity to Q. Taking the sum over this function applied to all (*) divisors of n returns n. As a corollary of the fact that the order of a subgroup divides the order of the finite group it's in, since this function of n gives the order of multiplicative group of integers mod n, any element of that group raised to this function of n equals 1, giving Euler's theorem. For any prime p, this function returns p-1. For 10 points, name this number-theoretic function giving the number of integers less than and coprime to its argument.

ANSWER: Euler's totient function [or Euler's phi function]

15. The meson prefixed by this letter is the vector meson isospin triplet. This letter is used to represent the weighted sum over the outer product of each possible state with itself for a mixed quantum state, the density matrix. This letter represents a quantity given by the derivative of charge with respect to (*) volume, and is proportional to the divergence of the electric field by Gauss's law. It also represents the ratio between the magnitudes of the applied magnetic field and current density in a material, the resistivity. This Greek letter is used to represent a quantity measured against water to give specific gravity. For 10 points, name this Greek letter used to represent density.

ANSWER: rho

16. One character in this opera refuses bread jokingly referred to as "tongue of parrot" during a mock "Berlingaccio." Another character in this opera praises a woman in the aria "O Soave Fanciulla." That writer for *The Beaver* compares love to a fireplace before burning his play and greeting a musician who had played until the death of an Englishman's parrot. In this opera, (*) Colline claims that the apocalypse is at hand because no one is accepting pledges on Christmas Eve before the landlord Benoît arrives in Schaunard and Marcello's Latin Quarter garret to collect rent. For 10 points, name this Giacomo Puccini opera in which the love sparked in "Che gelida manina" between Rodolfo and Mimi is thwarted by tuberculosis.

ANSWER: *La* Bohème

17. In a story by Barry Hannah, Quadberry conducts a brilliant performance of Bolero while playing saxophone, but later ends up dying on the operating table after suffering back injuries while fighting in this conflict. In a novel about this conflict, Richard Perry leaves Harvard for this conflict and witnesses the heads of decapitated babies. In addition to that novel by Walter Dean Myers, a collection of stories dealing with this conflict includes (*) "On the Rainy River," and the title story, in which the narrator describes the death of Lavender, after which Lieutenant Cross burns his pictures of Martha. For 10 points, name this conflict described in *Fallen Angels* and Tim O'Brien's "The Things They Carried".

ANSWER: The Vietnam War [or Second Indo-China War; accept silly answers like 'Nam']

18. This character describes how lovers "vow to weep seas, live in fire, eat rocks, tame tigers" to illustrate that the "monstrosity in love" is that "the desire is boundless and the act to slave a limit." This character uses the metaphor of taking a wife to advocate the defense of a captive to Helenus before their wailing sister enters.

This character gives his lover a sleeve when she is exchanged with (*) Antenor. This character is compared favorably to Hector and he cries “O beauty! Where is thy faith?” when Ulysses shows him his lover with Diomedes. Earlier, he pledges that his name shall eternally represent faithfulness before his lover ties her name to falsehood in a bargain sealed by her uncle Pandarus. For 10 points, name this Trojan Shakespeare character who loves Cressida.
ANSWER: Troilus

19. Joseph Grünpeck blamed Saturn and Jupiter for this disease in a pamphlet before catching it himself in the service of Emperor Maximilian, who issued an edict stating that it was a punishment for blasphemy. Ulrich von Hutten pioneered the use of powdered *Guaiaacum* wood as a laxative to treat this disease. Until the discovery of (*) potassium iodide, vapor baths of mercury were used to combat this disease, whose causative agent was discovered by Fritz Schaudinn. August von Wassermann developed a complement fixation test for this disease, which was first described as a “serpentine malady” by Rodrigo Ruiz de Isla. For 10 points, name this “French disease,” an STD that originated in the New World and infected Europe during the Columbian exchange.
ANSWER: syphilis [accept “the French disease” or “the Neapolitan disease” or “the serpentine malady” before mentioned; prompt on pox; prompt on treponema diseases]

20. Fossils of this period’s *Herrerasaurus* are found in Argentina’s Valley of the Moon. The most common fossils from the early part of this period belong to *Lystrosaurus*, one of the few surviving synapsids from the previous period, which were largely replaced by archosaurs in this period. Although it did not separate in this period, Pangaea began to break up. There is a significant lack of coal from this period, probably due to the (*) mass extinction preceding it, which saw the end of the trilobites and largest percentage of species lost in any extinction event. For 10 points, name this period following the Permian during which the dinosaurs arose, the first of the Mesozoic era.
ANSWER: Triassic Period

Tiebreakers

21. Certain members of this phylum mate with males of a related species and discard their sperm after fertilization in a process known as hybridogenesis, while some unisexual members of the same class cryptically steal heterospecific sperm through kleptogenesis. Basal members of one clade in this phylum eat their way out of deep-sea carcasses and have caudal hearts. Though initially placed in this phylum, acorn worms were later reclassified into a related (*) “hemi” phylum. Distinguishing features of this phylum include a post-anal tail, pharyngeal slits, and a dorsal nerve chord. This deuterostome phylum contains lancelets, tunicates and craniates. For 10 points, name this phylum whose notochord-possessing members include the vertebrates.
ANSWER: Chordata [or Chordates]

22. The angel of the Lord refuses to disclose this man’s name to his mother because “it is too wonderful.” Gazites try to kill this figure while he stays with a prostitute, but he sneaks away at midnight. The wife of this son of Manoa coaxes him into revealing the explanation to a (*) riddle, the answer of which refers to the lion filled with honey he kills at the vineyards of Timnah. This figure later claims that using fresh bowstrings and weaving seven locks will break his power, leading to his death between the pillars of the temple of Dagon. For 10 points, name this biblical Judge who kills a thousand men with the jawbone of an ass, drawing on super strength from hair later cut by Delilah.
ANSWER: Samson [or Shimshon]

Bonuses

1. The artist claimed he drew from his memory of 1860s Mexico to create this painting, but he actually just visited the Jardin des Plantes. For 10 points each:

[10] Name this painting in which the title animal leaps through foliage to hunt explorers against a grey sky lit by a double-forked lightning bolt. Its central figure was inspired by a Delacroix pastel where it confronts a snake.

ANSWER: **Tiger in a Tropical Storm** [or **Surprised!**; or **Tigre dans une tempête tropicale**; or **surpris!**]

[10] *Tiger in a Tropical Storm* was painted by this Primitivist Symbolist known for his jungle landscapes. He depicted a moon, a mandolin, a lion and a sleeping gypsy in *The Sleeping Gypsy*.

ANSWER: Henri Julien Félix **Rousseau**

[10] Henri Rousseau's paintings are often considered "primitivist," much like those of this artist, who painted *The Yellow Christ* and spent a good chunk of his career in Tahiti.

ANSWER: Eugene Henri Paul **Gauguin**

2. Hapi's title of being "lord of the fishes and birds of the marshes" might mean he has dominion over this bird that was sometimes fed snail shells before being mummified at Hermopolis. For 10 points each:

[10] Name this bird, which was used as a symbol for Thoth, explaining why Thoth is often depicted with the head of this bird.

ANSWER: **ibis**

[10] Thoth's duties as a scribe and overseeing writing are also taken by this female counterpart of his. She was said to be either Thoth's wife or daughter, and her headdress was known as the Safekh-Aubi.

ANSWER: **Seshat** [or **Sesheta**]

[10] Thoth was said to have mediated the conflict between Set and this god, Set's nephew. Pharaohs were considered the human incarnations of this one-eyed deity.

ANSWER: **Horus**

3. The largest mosque in this city, a notable külliye, includes a tomb modeled on the Dome of the Rock. For 10 points each:

[10] Name this earthquake-prone city, the home of a seaside complex with a madrasa and public baths named for an admiral. This city's Blue Mosque has six minarets.

ANSWER: **Istanbul** [accept **Constantinople**; accept **Byzantium**]

[10] The Suleiman Mosque in Istanbul was designed this chief architect of Suleiman the Magnificent, who also created Sofia's Banya Bashi Mosque. He included conspicuous mihrabs in his Mosque of Selim II at Edirne.

ANSWER: Mimar **Sinan** the Great

[10] Sinan also designed the Kırkçeşme system of these structures, including the two-storied Uzunkemer. Pont du Gard is another of these structures, built by the Romans to supply latrines, baths and fountains.

ANSWER: **aqueducts**

4. One individual described by this term owns London's Chelsea Football Club; another such figure owns the New Jersey Nets. For 10 points each:

[10] Give this term that is often applied to politically favored Russian business magnates who acquired most of their wealth after the fall of the Soviet Union. Examples include Roman Abramovich and Mikhail Prokhorov.

ANSWER: **oligarchs**

[10] Several oligarchs invested heavily in Rosneft, Russia's state-owned conglomerate controlling this substance.

Although Russia is this fossil fuel's largest exporter, it is not a member of OPEC.

ANSWER: oil [or petroleum]

[10] Rosneft's growth was spurred on by the Russian government's dissolution of this oil conglomerate, formerly led by Mikhail Khodorkovsky.

ANSWER: Yukos

5. The "augmented" type of this chord has pre-dominant function and an interval that lies between the lower sixth scale degree and raised fourth scale degree. For 10 points each:

[10] Name this chord. The bass position symbol refers to this type of chord, which is defined as being in first inversion.

ANSWER: sixth chords

[10] This type of sixth chord has a major triad built on a lowered second scale degree. This chord's use in modulation is exemplified by the allegro con brio movement of Beethoven's *Eroica* symphony.

ANSWER: Neapolitan sixth chords [prompt on N chords]

[10] The most famous use of Neapolitan chords is in this Beethoven piano sonata, popularly named for Ludwig Rellstab's opinion that its first movement resembles a night on Lake Lucerne.

ANSWER: "Moonlight Sonata" [or Ludwig van Beethoven *Piano Sonata No. 14 in C-Sharp Minor, op. 27, No. 2*; or "Quasi una Fantasia"]

6. Ibn Battuta described the inhabitants of this place as pious and clean and noted their use of sandalwood oil. For 10 points each:

[10] Name this island nation that supplied the cowry shells used as currency in the slave trade on the Swahili Coast. A legend from this nation outlines its conversion to Islam after the defeat of the sea demon Rannamaari.

ANSWER: Maldives [or Maldive Islands; or Dhivehi Raajjeyge Jumhooriyya]

[10] Maldives is located in a strategic spot on the Indian Ocean basin, where trade was historically facilitated by this predictable cycle of regular northeast and southwest winds, causing dry and rainy seasons.

ANSWER: monsoon trade winds

[10] Ships following the monsoon cycle embarked from this coastal region, which included the city of Mangalore. This coast is extremely wet due to the Western Ghats intercepting monsoon winds.

ANSWER: Malabar Coast

7. This character narrates a story that opens with the dubious assertion that bony fish can use their rotating fins as paws. For 10 points each:

[10] Name this character, who plays marbles with hydrogen atoms, falls in love with Signora Vhd Vhd while on the moon, and becomes a dinosaur in an anti-dinosaur world.

ANSWER: Qfwfq [accept clear-knowledge grunts]

[10] Qfwfq narrates short stories including "The Distance to the Moon" and "The Aquatic Uncle" in this author's collection *Cosmicomics*. He also wrote *Invisible Cities*.

ANSWER: Italo Calvino

[10] Calvino's most famous work, *If on a Winter's Night a Traveler*, is unusual for using this style of narration, as much of the book is written from the perspective of the reader of the book itself.

ANSWER: second-person narrative

8. These companies reduced the risks of colonial trade by dividing liabilities among multiple owners. For 10 points each:

[10] Name these companies owned by shareholders, now largely superseded by corporations.

ANSWER: joint-stock companies

[10] Joint-stock companies without royal charter were banned by a 1720 act in the wake of this incident, in which stock in a company engaged in South American trade peaked and collapsed, causing Britain's economy to tank.

ANSWER: South Sea Bubble

[10] This future Prime Minister, who led Britain at the start of the Seven Years' War, was one of many who lost money in the South Sea Bubble.

ANSWER: Thomas Pelham-Holles, 1st Duke of Newcastle [accept either underlined portion; prompt on Thomas Pelham or Thomas Holles]

9. The priority type of this data structure is usually implemented with a heap. For 10 points each:

[10] Name this first-in-first-out data structure, as opposed to the last-in-first-out stack.

ANSWER: queue

[10] This greedy algorithm is almost identical to Prim's algorithm, and uses a priority queue to find the shortest path between two nodes in a weighted graph.

ANSWER: Dijkstra's algorithm

[10] Unlike Dijkstra's algorithm, the Bellman-Ford algorithm works for graphs with these types of edges.

ANSWER: negative weight

10. The title figure of this poem has seven stars in her hair "like ripe corn" and a voice "like the voice of the stars" and leans out "from the gold bar of heaven" before weeping with "her face between her hands." For 10 points each:

[10] Name this poem about a woman who wishes that "we two" will "lie i' the shadow of / that living mystic tree" and "seek the groves where the living Mary is."

ANSWER: "The Blessed Damozel"

[10] "The Blessed Damozel" was written by this founder of the Pre-Raphaelite Brotherhood, who wrote the *House of Life* sonnets. His sister Christina wrote "Goblin Market."

ANSWER: Dante Gabriel Rossetti

[10] In this Rossetti poem, the speaker's mother proclaims "Glory unto the Newly Born" as the clock strikes midnight on Christmas Eve, when the title character perishes.

ANSWER: "My Sister's Sleep"

11. This system sometimes incorporated several unpaid days of work known as the *robot*. For 10 points each:

[10] Name this feudal institution that declined in western Europe but increased in the east under absolutist monarchs. This medieval system was driven by peasants who worked on land owned by a manor's lord.

ANSWER: serfdom [accept word forms; prompt on bondage]

[10] In Prussia, these landed aristocrats colluded with the Hohenzollerns to monopolize control of serfs. They were exempt from taxes, and tall soldier fan Frederick William I offered them high positions in his reformed military.

ANSWER: Junkers

[10] This reformer worked with Karl August von Hardenberg to pass the Edict of October 1807 liberating Prussian serfs. He became a civil servant due to his mining expertise and later worked as a diplomat under Alexander I.

ANSWER: Heinrich Friedrich Karl vom und zum Stein [or Baron vom Stein]

12. Malte Andersson studied this process in long-tailed widowbirds with experimentally elongated tails. For 10 points each:

[10] Name this form of natural selection, explained by Darwin in terms of female choice and male competition.

ANSWER: sexual selection

[10] R. A. Fisher proposed this form of sexual selection for dimorphic traits that are sexually desirable, but irrelevant or harmful for survival, such as the brightly colored peacock tail.

ANSWER: Fisherian runaway selection

[10] This evolutionary biologist provided his own explanation for runaway sexual selection in *The Blind Watchmaker*, but is best known for writing *The God Delusion* and leading the contemporary atheist movement.

ANSWER: Richard Dawkins [or Clinton Richard Dawkins]

13. In this novel's epilogue, Maneck commits suicide by letting himself get run over by a train. For 10 points each:

[10] Dina Dalal illegally hires two tailors to work in her home in this novel. One of those tailors, Ishvar, loses both his legs to gangrene during a castration procedure ordered by Thakur.

ANSWER: A Fine Balance

[10] Rohinton Mistry's *A Fine Balance* chronologically begins at this event. Two people born during this event are switched at birth and are distinguished by enormous knees and telepathic ability in *Midnight's Children*.

ANSWER: India's Independence [accept logical equivalents, as well as Partition of India]

[10] *Midnight's Children* is a novel by this British-Indian author, who described the effects of the *fatwa* imposed on him after he published *The Satanic Verses* in his recent memoir *Joseph Anton*.

ANSWER: Sir Ahmed Salman Rushdie

14. Ethan Hitchcock denied James Phelan's original application for land rights related to this project, which was completed in 1923. For 10 points each:

[10] Name this project permitted by the Raker Act after Secretary of the Interior Walter Fisher turned its authorization over to Congress. Gifford Pinchot supported this project, which supplied electricity to San Francisco.

ANSWER: Hetch Hetchy Valley/dam/reservoir [or O'Shaughnessy Dam]

[10] The O'Shaughnessy Dam flooded the Hetch Hetchy Valley in Yosemite, which was later lobbied for by this naturalist and wilderness advocate who founded the Sierra Club.

ANSWER: John Muir

[10] In 1950, this other national park was combined with the Jackson Hole National Monument; as a result, the Antiquities Act was modified to require congressional approval to proclaim national monuments in Wyoming.

ANSWER: Grand Teton National Park

15. One character in this novel claims that men's strength is homicidal rage, while another claims that *The Long Hot Summer* is a play by Tennessee Ernie Williams. For 10 points each.

[10] Name this Don DeLillo novel in which non-Germanophone Hitler Studies professor Jack Gladney is exposed to chemicals during the Airborne Toxic Event. It also describes his wife Babette taking Dylar to cure her fear of death.

ANSWER: White Noise

[10] An anonymous man watches *24 Hour Psycho* at the beginning and end of this latest DeLillo novel, in which the poetry-loving ex-Department of Defense scholar Richard Elster retires to a desert to contemplate deep time.

ANSWER: Point Omega

[10] DeLillo's novel *Falling Man*, named for a performance artist who leaps out of buildings, opens with this event. Keith Neudecker, who survives this event, has a son who fears the imaginary Bill Lawton.

ANSWER: 9/11 [or September 11; or World Trade Center bombing; or equivalents]

16. Because of their high reactivity, acyl halides are very synthetically useful. For 10 points each:

[10] Acyl chlorides can be made by reacting a carboxylic acid with this compound, converting hydroxyl group into a good leaving group and providing a source of chloride nucleophiles. It creates sulfur dioxide as a byproduct.

ANSWER: thionyl chloride [or SOCl₂]

[10] Acyl halides react with alcohols to produce this functional group, which can also be formed by reacting a carboxylic acid and an alcohol under acidic conditions in a process named for Fischer.

ANSWER: esters

[10] Acyl halides can be selectively converted into ketones using dimethyl organometallic reagents containing lithium and this other metal, which breaks with the aufbau principle by adopting a 3d¹⁰ 4s¹ configuration.

ANSWER: copper [or Cu]

17. Name these elements of Rastafari doctrine, for 10 points each:

[10] Rastafarianism considers this proponent of the Back-to-Africa movement a prophet. This Jamaican-born founder of the UNIA-ACL attempted to create a global black economy with his Black Star Line.

ANSWER: Marcus Mosiah Garvey, Jr.

[10] Rastafarians rejected Western society, which they referred to with the name of this ancient city. In the Old Testament, several Jews were held in "captivity" in this city under the rule of Nebuchadnezzar.

ANSWER: Babylon [or Bavel; or Babilim]

[10] Scriptural support for the Rastafari practice of wearing hair in dreadlocks comes from Numbers 6, which outlines this pledge of consecration that involves avoiding grapes and haircuts.

ANSWER: Nazirite vow

18. This work asserts that "God bungled his job of creation" and that "there is something more real in the illusion than the reality behind it." For 10 points each:

[10] Name this entertaining Slavoj Žižek work, which argues that female libido threatens male identity in an analysis of *Solaris* and *Vertigo*. This work applies psychoanalysis to *Duck Soup*.

ANSWER: *The Pervert's Guide to Cinema*

[10] Žižek's first work is titled *The [this] Object of Ideology*. This philosophical term is used to denote aesthetic greatness and has been contrasted with "the beautiful" in works by Burke and Kant.

ANSWER: the sublime

[10] Žižek analyzed the dialectics of this philosopher in *Less Than Nothing*. This thinker discussed the doctrines of

essence and concept in *Science of Logic* and examined *Sittlichkeit*, or ethical order, in *The Phenomenology of Spirit*.
ANSWER: Georg Wilhelm Friedrich **Hegel**

19. Answer the following about the field of pragmatics, for 10 points each.

[10] Pragmatics involves the contextual factors involved in language, unlike this other linguistic field which is concerned with meaning at the word, sentence, phrase, and textual levels.

ANSWER: **semantics**

[10] One example of context in pragmatics involves appending -san, -chan, or -kun to names in this language, depending on the speaker's relation to the addressee. This language can be written with kanji, hiragana, or katakana.

ANSWER: **Japanese** [or **Nihongo**]

[10] Honorifics can be considered a social form of these words that require contextual information to have any meaning. Spatial ones include "here" and "that," while temporal ones include "soon" and "tomorrow."

ANSWER: **deictics** [or **deixis**]

20. Answer the following about pre-Darwinian contributions to evolutionary theory, for 10 points each.

[10] This thinker outlined the inheritance of acquired characteristics, which is *always* described in textbooks using giraffes. Some incorrect people claim that his ideas are now experimentally supported by epigenetics.

ANSWER: Jean-Baptiste Pierre Antoine de Monet, Chevalier de **Lamarck**

[10] Evolution opponent Georges Cuvier ended up providing significant evidence for evolution in his quest to document the fossil record in support of this other theory, which describes tons of short-lived, violent events.

ANSWER: **catastrophism** [accept word forms]

[10] Cuvier accused this other pioneering fossil collector of fabricating neck vertebrae. She discovered the first plesiosaurs, determined that coprolites were fossilized feces and unearthed a complete *Ichthyosaurus* skeleton.

ANSWER: Mary **Anning**

21. Answer the following questions about immobile objects. For 10 points each:

[10] A rigid body is said to be in this state when the sum of the external forces acting upon it is zero and net torque around any of its axes is also zero.

ANSWER: static **equilibrium**

[10] In a statics problem, this is a body such that the forces and moments acting on it are equivalent to two forces at different points. To be in equilibrium, the net force must point along a line connecting those two points.

ANSWER: **two-force member**

[10] In fluid mechanics, this is the name for the requirement that a fluid have zero velocity at a solid boundary.

ANSWER: **no-slip** condition

22. This Portland band is fronted by Colin Meloy and their live antics include re-enacting sea battles. For 10 points each:

[10] Name this band after a Russian uprising. Their most recent album, *The King is Dead*, includes "The Calamity Song," for whose video the band re-enacts scenes from *Infinite Jest*.

ANSWER: The **Decemberists**

[10] The Decemberists released an eighteen-minute song named for this event, during which one participant fights off the Morrigan and Macha curses his men for being forced to participate in a chariot race while pregnant.

ANSWER: **Cattle Raid of Cooley** [or **Táin** Bó Cúailnge; or similar answers about stealing cows]

[10] The Decemberists also wrote a song about this group of Ulster loyalists who "used to be sweet little boys" "sharpening their cleavers and their knives." This group tortured Catholics in the 1970s under Lenny Murphy.

ANSWER: **Shankill Butchers**