

VETO 2017

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Tossups

- 1. Under New Deal legislation like the Public Utility Holding Company Act of 1935, this agency’s regulatory and planning powers were greatly expanded and it was given the authority to mandate electricity prices. This agency, whose jurisdiction came to include licensing water-power projects and regulating natural gas prices, was most closely associated in its early years with Chairman (*) Leland Olds, whose second renomination was blocked by a smear campaign by then-Senator Lyndon Johnson in 1949. In the 1970s, this agency was plagued by scandal as it was revealed that many of its officials had financial interests in the price deregulation they oversaw. For ten points, name this federal agency which was replaced by the Federal Energy Regulatory Commission in 1977.**
ANSWER: Federal Power Commission
- 2. A 2016 paper by William F. Martin argued that this organism uses a pathway requiring the enzymes CO dehydrogenase and acetyl-CoA synthase. That pathway fixes carbon dioxide by reducing it into carbon monoxide and formic acid, and is the Wood-Ljungdahl pathway. Some research suggests that this organism does not exist per se, and is actually group of organisms. The presence of the same 20 amino acids and pyrimidine/purine bases however, are considered strong evidence for the existence of this organism. (*) Charles Darwin was the first to suggest the existence of this organism, calling it a “primordial form, into which life was first breathed.” For ten points, name this organism from which all life descended, often abbreviated to LUCA.**
ANSWER: last universal common ancestor (accept LUCA before mentioned)
- 3. A person with this surname described driving an armed friend intent on revenge murder around 6th Street. That social scientist claimed that black men avoid visiting hospitals, even when their wives are giving birth, because police regularly run hospital visitors through felony databases. This surname is shared by the author of (*) On the Run, as well as a thinker who discussed presentation and avoidance rituals as acts of deference. That thinker with this surname considered maintaining face to be the goal of social interactions, in which participants manage impressions by taking on roles that are relaxed when backstage. For 10 points, name the surname of the Canadian-American sociologist who analogized social interaction to theater in The Presentation of Self in Everyday Life.**
ANSWER: Goffman [accept Alice Goffman; or Erving Goffman]
- 4. The Kaldi project is a toolkit written in C++ and developed by a team at Johns Hopkins that offers tools meant to help with this task. LSTMs have proven to be very adept at this task, and they are based on RNNs, which have also had some success with this task. The dynamic time warping approach to this problem has been largely superseded by (*) hidden Markov models. The kind of data that is input to this task is often represented using MFCCs, which are the result of taking two Fourier transforms. Commercial examples of the power of this technology include Alexa and Siri. For ten points, name this problem that often involves parsing recordings of conversations.**
ANSWER: speech processing or speech recognition
- 5. A version of this character appears in a work whose title comes from a list of allowed curse-words from a text that character is directing. Estelle informs that version of this character of an imminent visit from two government officials, Sal and Tony. A ghost regularly visits that character, who finds a job teaching inmates after (*) losing his position as artistic director of theater festival. Felix in Margaret Atwood’s Hagseed is an adaptation of this character, whose servant mistakes two drunkards for gods. He describes a vision of “cloud-capp’d towers” after noting that “our revels now are ended”. This character requests to the audience, “let your indulgence set me free”. For 10 points, name this father of Miranda in The Tempest.**
ANSWER: Prospero

6. **One of this artist's works depicts a skyscraper with its top half obscured by a flare of light and an array of orange and yellow sunspots. This artist's hands were depicted in many photographs by their husband. This painter depicted white animal bones floating against the badlands and sky in multiple paintings. While many people say that her paintings have vaguesque subjects, that interpretation was highly pushed by her husband, (*) Alfred Stieglitz, and is not completely accurate. For ten points, name this painter famous for her abstracted close-up paintings of flowers and animal bones.**

ANSWER: Georgia O'Keefe

7. **This island was once led from a compound known as a rova. An extremely bright green and orange-spotted species of day gecko and a unique bird called the cuckoo-roller are endemic to this island. The highland region on the north of this island helps protect the remaining forests from a slash-and-burn method of farming called tavy; deforestation has endangered this island's plants and animals, which include (*) baobab trees, raffia palms, and fossas. For ten points, name this island country governed from its capital at Antananarivo that is home to many cool endogenous animals such as lemurs.**

ANSWER: Madagascar

8. **The creators of this album were fired from their nightly gig at the Cafe Bizarre in Greenwich Village after playing one of the more exotic songs on this album too frequently for the taste of the owners. For another song on this album, the producer wanted to manufacture a pre-cracked record that would get stuck on the title phrase. Another track on this album contains the repeated lyric (*) "And I guess that I just don't know" and opens with the lines "I don't know just where I'm going / But I'm gonna try for the kingdom, if I can / 'Cause it makes me feel like I'm a man" to consume the song's titular substance, heroin. For ten points, name this debut album by the titular band, whose cover features an image of a banana made by its producer, Andy Warhol.**

ANSWER: The Velvet Underground and Nico

9. **One character to whom this thing happens laments about it that he's "wasted years of his life? longed to die" for something that "didn't appeal to" him, that "wasn't even [his] type." Another character to whom this thing happens has a son who defines the title word of the story in which they appear as "loving someone you don't know." That definition is given during a day spent with (*) Miranda. A character who does this thing to another character is Odette de Crecy. Another character to whom this thing happens botches a surgery meant to correct a clubfoot in the servant Hippolyte. For ten points, name this fate shared by Charles Swann and Charles Bovary, the latter of whom has a wife that pretends to take piano lessons but is actually seeing Leon.**

ANSWER: they get cheated on [or they have unfaithful lovers/husbands/wives or anything equivalent]

10. **This event condemned Joachim of Fiore and Amalric of Bena, prescribing a procedure for prosecuting and executing their followers. That procedure included a year's excommunication and relied on enforcement by secular authorities, who were themselves, for the first time, threatened with excommunication for noncompliance. Other orders issued at this event attempted to crack down on (*) negligent or immoral clergymen. This conference, called by Pope Innocent III, also produced canons requiring Jews and Muslims to wear identifying clothing and calling for a truce between warring Christian states so that they could launch the Fifth Crusade. For ten points, name this 1215 conference which first ordered annual confession and communion for all Christians.**

ANSWER: Lateran IV or Fourth Lateran Council or General Council of Lateran (prompt on "Great Council" and then accept anything obviously equivalent)

11. **They aren't phonemes, but studies involving children and macaque monkeys have led to debate about whether the development of the ability to process these stimuli is a case of perceptual learning or perceptual narrowing. The other race effect concerns these stimuli. Andrew Meltzoff's imitation studies demonstrated that (*) newborns recognize these stimuli, suggesting that the ability to detect and process these stimuli is innate in humans. Paul Ekman created a classification of basic types of these stimuli. An area of the fusiform gyrus is specialized for processing these stimuli, whose processing is impaired in prosopagnosia. For 10 points, name this body area that expresses social information, such as emotions.**

ANSWER: faces

12. **In this city, Parker Bright stood in protest in front of Open Casket, a painting by Dana Schutz of Emmett Till. A widely panned Jeff Koons retrospective marked the handover of the Breuer building in this city, after which a biennial-hosting museum moved to a Renzo Piano-designed building. Leonard Lauder's Cubism donation will shore up the modern holdings of a museum in this city that contains the (*) Temple of Dendur. The grid layout and colors found on this city's streets inspired Piet Mondrian to paint a work partially called Boogie-Woogie, which he donated to a museum that also holds The Persistence of Memory and The Starry Night. For 10 points, name this city home to the Museum of Modern Art and the Metropolitan Museum of Art.**
ANSWER: New York City [or NYC]

13. **One surah sometimes titled after these people is more often titled for the night journey. In one story, a man asks God to keep him from being among the ignorant after these people accuse him of mocking them by telling them to perform an animal sacrifice. These people eventually do sacrifice the animal, but only after they are told its age, color, and occupation. That animal was a (*) cow. The leader of these people convinced Muhammad to ask God to reduce the number of obligatory prayers from 50 to 5. That leader of these people appointed his brother, Harun, to lead them in his absence. For ten points, name this group of people who worshipped a golden calf for 40 days while Moses was being given the Torah.**
ANSWER: Jews or Children of Israel or Bani Isra'il

14. **Shortly after the death of this musician, the poet Ted Joans created graffiti all over New York City using the phrase "[this artist] lives." A I chord is followed by a progression around the circle of fifths from a minor VII chord to a IV chord in the first 5 bars of a variant of the 12-bar blues named for this artist; a variant of that progression is used on his song "Confirmation." This artist played an instrument made out of plastic and had his last name listed as "Chan" on the billing for an album he recorded in (*) Toronto along with an all-star rhythm section and Dizzy Gillespie; that album is Jazz at Massey Hall. Jazz standards composed by this artist include "Billie's Bounce," "Ko-Ko," and "Ornithology." For 10 points, name this jazz saxophonist who pioneered bebop and was nicknamed "Bird."**
ANSWER: Charlie Parker [accept Bird or Yardbird before the end]

15. **A ruthenium catalyzed variant of a reaction of this type has the property that non-terminal versions of a certain functional group can be reacted as well. That reaction was described by Barry Sharpless as the "the premier example of a click reaction." It reacts azides with alkynes, and is named after (*) Huisgen. The most famous reaction of this type was used by Woodward to synthesize cholesterol. It obeys the endo rule, and is the four plus two type of this reaction. That reaction is the Diels-Alder reaction. For ten points, name this type of reaction in which molecules are added together to form rings.**
ANSWER: cycloaddition (prompt on just addition before "added")

16. **The warped language used during this period is the subject of Marguerite Feitlowitz's A Lexicon of Terror. Some of the victims of this period described bizarre theatrical performances at ESMA by its perpetrators, and the leaders of this period referred to it in public as The Process. After this period, Adolfo Scilingo and Alfredo Astiz were prosecuted for crimes committed during this period. Resistance to this conflict crystallized around Azucena Villaflor's Mothers of the Plaza de Mayo, who demanded justice for their "disappeared" children. This conflict was brought to a close only by the disastrous Falkland Islands War, which led to the collapse of the military junta. For 10 points each, name this conflict in which tens of thousands of innocent Argentinians were killed.**
ANSWER: Dirty War or La Guerra Sucia

17. **One review of a collection of these works claims that we should "Forget the male gaze, or even the female gaze - the only gaze that matters here is [the artist's] directed squarely at herself." The creator of these works claims that the idea for a collection of them occurred to her while trying to think of a gift for her husband when she realized that "All guys love it when a girl sends them sexy pics." Some of these works**

contain figures like Alani Anthony and (*) Jonathan Cheban, in addition to the central figure that appears in all of these works. For ten points, name these works of art compiled in the book *Selfish*, the final entry of which depicts Kanye West's marriage to their creator.

ANSWER: selfies by Kim Kardashian (or anything equivalent)

18. **While performing this action, a brother and sister pretend to be strangers, court each other, and marry. Lefty and Desdemona perform this action with Dr. Phil in Jeffrey Eugenides' Middlesex. The death of Suyuan Woo, who had performed this action after** (*) losing her twin daughters, causes her daughter June to trace this action in reverse. The businessman Ghosh encouraged Ashoke to perform this action during a conversation on a train that later crashes. Jhumpa Lahiri's *The Namesake* concerns people who have performed this action. For 10 points, people who perform what action often encounter the line "Give me your tired, your poor, your huddled masses" en route to Ellis Island?

ANSWER: immigration to America [or immigration to the United States; prompt on immigration by asking "to where?"]

19. **The creator of a precursor to this language says that his only regret is using binary fractions internally and decimal approximations in the user interface, leading to a certain quantity that should have been 0.4 actually being equal to 0.399993 instead. The current version of that precursor to this language is version 3.14159265. The** (*) tabular environment can be used to create arrays in this language while the `includegraphics` command can be used to add external image files. Packages for this language include `A-M-S` math and `A-M-S` fonts. Mathematical expressions in this language are enclosed by either single or double dollar signs. For ten points, name this typesetting language developed by Donald Knuth.

ANSWER: LaTeX (be generous and accept TeX)

20. **Lila Gleitman and Stephen Levinson had an extended exchange in the journal *Cognition* about whether language influences how people represent this domain. As opposed to the ventral stream, the dorsal stream is involved in processing this domain, according to the two-streams hypothesis for object perception.** (*) Edward Tolman rejected hardcore behaviorism by demonstrating that rats have representations of this domain. According to core knowledge theorists, children use landmark or geometry systems to represent this domain. Mental rotation tests assess the ability to visualize and reason in this domain, critical in many STEM fields. Grid and place cells in the hippocampus form an orienting and positioning system for this domain. For 10 points, name this three-dimensional domain.

ANSWER: space

21. **In abelian gauge theories, particles described by this term do not interact with gauge fields because f to the abc is 0, and so a term in the Lagrangian vanishes. Those particles described by this term arise from the need to have a quantum field theory select one solution from the all the ones equivalent under the gauge transformation. In a movie titled for these things, two characters sensuously make** (*) pottery, and the main character in that scene later becomes one of these things. In Mario games, enemies that are these things follow you when you turn your back to them. The aforementioned examples of these things in physics are named for Fadeev and Popov. For ten points, name these undead things, examples of which include Casper.

ANSWER: ghosts

Bonuses

1. For ten points each, answer the following questions about urban planning and public spaces in New York City.

[10] This regular pattern of streets between Houston Street and 155th Street in Manhattan was first proposed in the Commissioners' Plan of 1811.

ANSWER: the grid system [or gridiron]

[10] The grid was most drastically modified in 1853, when the government used the power of eminent domain to seize 700 acres of land worth \$5 million in order to create this public space that interrupts Manhattan's grid.

ANSWER: **Central Park**

[10] Central Park was in disrepair by 1934, when this new City Parks Commissioner undertook drastic renovations and improvements. He later held 12 government titles at once, including Chairman of the Triborough Authority.

ANSWER: Robert **Moses**

2. See Visual Bonus #1

3. A proposed example of these entities is water, since water is H₂O. For 10 points each:

[10] Name these groupings that do not merely reflect social convention or useful classificatory practices for human beings, but that correspond some real structure in nature.

ANSWER: **natural kinds**

[10] Natural kinds are often described as “carving nature at its joints”. That metaphor that originates from Phaedrus, which is one of these texts.

ANSWER: **Platonic dialogue** [or **Socratic dialogue**; prompt on dialogue]

[10] These two Canadian philosophers hold that there are no psychological natural kinds. In their eliminative materialist view, psychological kinds are reduced to neurophysiological kinds.

ANSWER: Paul and Patricia **Churchland**

4. This poet’s wife Nadezhda memorized his poetry while they were in exile in Voronezh, and then copied them down by hand years later. For 10 points each:

[10] Name this Jewish Soviet poet of Stone.

ANSWER: Osip **Mandelstam**

[10] Mandelstam titled a poem after this Russian poet of “Poem Without A Hero”. She was close friends with both Osip and Nadezhda Mandelstam.

ANSWER: Anna **Akhmatova**

[10] The first part of this poem by Akhmatova describes waiting in line at Leningrad prison; Akhmatova states that she has been “picked out” to describe the anguish of the Soviet prison system described in this poem.

ANSWER: **“Requiem”**

5. For ten points each, answer these questions about a critically acclaimed TV show featuring the Baltimore police department.

[10] Name this show whose first two seasons focused on an elaborate drug-dealing operation and a stevedores’ union which dabbled in smuggling at the Baltimore seaport.

ANSWER: **The Wire**

[10] The Wire featured this hard-drinking, insubordinate detective who ended the first season relegated to the marine unit.

ANSWER: James (or Jimmy) **McNulty**

[10] McNulty’s determination to break up the stevedores’ smuggling ring began when thirteen young women were found dead here. One more was added to the count when McNulty found her body in the harbor.

ANSWER: **shipping crate** or equivalent [prompt on the docks or the port by asking “inside what?”]

6. You are a desperate PhD student. For ten points each:

[10] You run many of these things every day, types of which include chi-squared and ANOVA. They tell you whether your findings are significant, or attributable to random chance.

ANSWER: **hypothesis tests**

[10] Lucky for you, if you run enough tests, you’ll get some significant results by chance. If you exploit this and publish these results, you will have engaged in this practice, named for the values that result from hypothesis tests.

ANSWER: **p-hacking**

[10] If you’re feeling more honest, you might use this technique to avoid the multiple comparisons problem. It runs a group of n tests each at a level of alpha over n to bound the family-wise error rate by alpha.

ANSWER: **Bonferroni** correction

7. For ten points each, answer the following about U.S. fiscal politics.

[10] This policy of mandatory across-the-board spending cuts was implemented in 2013 when Congress failed to avert the so-called fiscal cliff by missing its own deadline for deficit reduction.

ANSWER: sequestration

[10] Sequestration was set up in the Budget Control Act, signed by President Obama in 2011 as part of a deal with Congressional leaders to do this and prevent a default.

ANSWER: raising the debt ceiling [or increasing the debt limit; or other obvious equivalent]

[10] In February of 2017, Senator Orrin Hatch sponsored his 28th bill for this Constitutional amendment, panned by the Center for Budget and Policy Priorities as “highly ill-advised” because it would prevent Keynesian policies.

ANSWER: Balanced Budget Amendment to the U.S. Constitution

8. Peter Gordon regularly creates these things and Rex Parker regularly critiques them. For ten points each:

[10] Name these things that come in sizes like 15 by 15 and consist of grids of black and white squares with clues indicating how to fill them in.

ANSWER: crossword puzzles

[10] Most crossword puzzles have this specific kind of symmetry.

ANSWER: 180 degree rotational symmetry (prompt on just “rotational symmetry” by asking “at what angle?”)

[10] This Canadian crossword constructor recently published a puzzle in the New York Times whose theme involved replacing the “th” sound in words with the “f” sound. He runs a crossword blog titled “bewilderingly,” which is an anagram of the phrase “by [this man’s name].”

ANSWER: Will Nediger

9. For ten points each, answer the following questions about Salvador Allende’s Road to Socialism.

[10] Allende was elected President of this nation by a narrow plurality in 1970.

ANSWER: Chile

[10] Allende’s nationalization of this industry, Chile’s most important export, coincided with a fall in its price by about a third on the international market, contributing to an economic crisis in 1972.

ANSWER: copper

[10] Allende also attempted to seize these for state use after a 24-day strike led by Leon Vilarin with CIA backing caused the nation’s economy to grind to a halt.

ANSWER: trucks

10. For ten points each, name these cryptids of North America.

[10] This aquatic cryptid lives in its namesake lake on that is shared between Vermont and Quebec.

ANSWER: champ or champy

[10] This cryptid of the northern US forests has a monkey-like face and long, whiplike arms. It is aptly named because it angrily throws logs at lumberjacks, usually killing them.

ANSWER: agropelter

[10] The Inuit adlet, the Albertan shunka warak’in, and the Quebecoise loup garou are all very reminiscent of this species.

ANSWER: wolves

11. This physicist’s most famous result confirmed an earlier fact predicted by Kramers-Wannier duality. For ten points each:

[10] Name this Norwegian physicist who solved the 2D-Ising model in the case with no external magnetic field.

ANSWER: Lars Onsager

[10] The Ising model describes this physical phenomenon, which vanishes above the Curie temperature, and is caused by the alignment of domains.

ANSWER: **ferromagnetism** (prompt on just magnetism, do not accept or prompt on diamagnetism or anti-ferromagnetism)

[10] A notable feature of the 2D Ising model is that it experiences one of these things in the form of spontaneous magnetization, unlike the 1D Ising model, which does not have one of these things.

ANSWER: **phase transition**

12. See Visual Bonus #2

13. For ten points each, name some American race plays.

[10] This play written for one actor by Anna Smith explores the tensions in a black and Orthodox Jewish after the real-life incident of a young boy being struck by a car.

ANSWER: **Fires in the Mirror**

[10] In this play an apple-eating white woman tempts and then infuriates a black man on a subway, eventually murdering him. This play is by Amiri Baraka, born Everett LeRoi Jones.

ANSWER: **Dutchman**

[10] This play by Lorraine Hansberry set on the South Side of Chicago details the Younger families efforts to improve their lives by buying a house in a white neighborhood.

ANSWER: **A Raisin in the Sun**

14. Answer the following about basketball players who played high school basketball in Canada, for 10 points each.

[10] This current general manager of the Canadian national basketball team starred at point guard for Santa Clara University before going on to win two NBA MVP awards with the Phoenix Suns.

ANSWER: Steve **Nash**

[10] This Sudanese center played at the Athlete Institute in Mono, Ontario, before being taken by the Bucks in the 2016 NBA Draft. A high school mixtape of him dunking all over some tiny kids fueled rumors about his true age.

ANSWER: Thon **Maker**

[10] One YouTube video shows this player hit 46 straight three pointers outside in the rain. He currently plays for the Philadelphia 76ers, and is nicknamed "Sauce Castillo" after an unfortunate captioning error.

ANSWER: Nik **Stauskas**

15. For ten points each, answer these questions about the work of a major Canadian mathematician.

[10] Name that mathematician, whose namesake correspondence conjectures a connection between number theory and automorphic forms. That correspondence is the basis for his namesake research program.

ANSWER: Robert **Langlands**

[10] The Langlands conjectures classify these mathematical objects, which describe the structure of a group by transforming its operation into matrix multiplication. Maschke's theorem classifies these things.

ANSWER: **representations**

[10] A representation matrix acts on a vector space, which is defined over one of these mathematical structures, which is a ring where every element is invertible. Examples include the reals and rationals, but not the integers.

ANSWER: **fields**

16. See Visual Bonus #3

17. Time to answer questions about Erzulie Dantor, the awesome vengeful patron goddess of lesbians, single mothers, and hurt women. For 10 points each:

[10] Erzulie Dantor is one of these figures. These are the Haitian deities whose numbers include others such as Papa Legba and Ayida-Weddo

ANSWER: **loas** or **lwas**

[10] This type of animal was sacrificed to Erzulie Dantor at Bois Caiman at the beginning of the Haitian revolution. In another world religion, this animal's form is taken by Vishnu in his incarnation as Varaha.

ANSWER: black creole **pig** (or **boar** or other gender of pig)

[10] The most famous depiction of Erzulie Dantor, the Black Madonna of Czestachowa, is one of these religious art items. They were often richly decorated with gold leaf backgrounds during the Byzantine empire.

ANSWER: **icons**

18. These things develop from ovaries. For ten points each:

[10] Name these plant structures that house seeds. Examples include apples and oranges.

ANSWER: **fruits**

[10] This type of fruit forms from flowers that have multiple carpels that are not joined together. Examples include raspberries and blackberries.

ANSWER: **aggregate** fruits

[10] Fruits can also be classified based on the tissues they contain. This innermost fruit tissue directly surrounds the seed.

ANSWER: **endocarp**

19. For ten points each, answer some questions about the intersection of music and literature, but please remember that it's music so it definitely fills our audio fine arts requirement.

[10] This opera by John Adams uses John Donne's "Batter my heart, three-person'd god" as an aria that is sung by J. Robert Oppenheimer. It also famously quotes the Bhagavad Gita.

ANSWER: **Doctor Atomic**

[10] David Henry Hwang of M. Butterfly fame and composer Osvaldo Gilijov wrote an opera called Ainadamar about the death of this poet as recalled by his friend Margarita Xirgu.

ANSWER: Federico **Garcia Lorca**

[10] This composer adapted James Agee's prose poem, Knoxville: Summer of 1915, into a work for orchestra and choir.

ANSWER: Samuel **Barber**

20. For ten points each, identify the following policies adopted in the early years of the Soviet Union.

[10] This type of apartment was the official solution for the drastic housing shortage in Russian cities, until Khrushchev began mass housing construction in the 1950s.

ANSWER: **communal** apartments

[10] In response to a 1921 famine, Lenin adopted this program of economic reforms incorporating market forces. Stalin flip-flopped on this policy policy, defending it against Trotsky but rejecting it when he came to power.

ANSWER: **New Economic Policy**

[10] In 1929, Stalin accelerated this violent purge of well-off peasants, begun under Lenin's grain procurement policies. Its victims were viewed as an obstacle to collective farms.

ANSWER: **dekulakization**