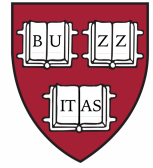


Harvard Fall Tournament XI

Edited by Raynor Kuang and Robert Chu

Questions by Robert Chu, Raynor Kuang, Jason Park, Sriram Pendyala, Neil Gurram, Erik Owen, Jonathan Suh, Roger Jin, Vimal Konduri, and Mark Arildsen

And with thanks to Harvard College, MIT Quiz Bowl, and various playtesters



Finals 2

Tossups

1. **One of these places contains a spring that visitors use to wash their money in the hopes it will multiply. Visitors to them may rinse their mouths and pour water over their hands into a basin with a ladle as part of a purification ritual. Ema are wooden plaques with (*) wishes on them that are hung near these places, and they typically contain a central building called a *honden*. These places are often guarded by *komainu*, or stone lion-dogs. Gates known as *torii* stand outside these places, and spirits called *kami* are worshipped at them. For 10 points each, name these places of worship for practitioners of the main animistic religion of Japan.**

ANSWER: **Shinto shrines** (prompt on just temple or shrine or synonyms without religion being given; accept jinja; or shinsha; or gongen; or gongu; or jingu; or mori; or myojin; or myosha; or taisha; or ubusuna; or yashiro; or any answer about a Shinto place of worship until end)

2. **On one expedition, this explorer sailed with his uncle François Gravé du Pont aboard the *Bonne-Renommée*, but he took personal command of the *Don de Dieu* on his most famous effort. This explorer names a body of water that would be the site of a victory for Thomas Macdonough over the (*) British during the Battle of Plattsburgh. At the Battle of Sorel during the Beaver Wars, he allied with the Algonquin and Huron tribes to defeat the Iroquois. This man is referred to as the “Father of New France” for his founding of Quebec City. For 10 points, name this French explorer who names a lake on the border of Vermont and New York.**

ANSWER: Samuel de **Champlain**

3. **For a Cauchy distribution, the posterior distribution of the population mean is bizarrely independent of this value. It’s equal to the sum of the values in the cells of a two by two contingency table. Bessel’s correction subtracts one from this number in certain calculations of the (*) standard deviation. As this number increases, the average of observed experimental values gets closer to the expected value as described by the law of large numbers. This value is usually symbolized by lowercase *n*, and the mean is the sum of the data values divided by this number. For 10 points, give this quantity counting the number of data points in a set.**

ANSWER: sample **size** (or population **size**; accept n before mention; prompt on “how many data points/samples/experiments/people in a study/etc. there are” before “data points” is read)

4. **The ISDS provision in this document was illustrated in an op-ed using the example of a French company suing Egypt. This document extends the TRIPS agreement, especially in regard to pharmaceuticals, and it formed as an extension of the P4 agreement. (*) “Fast track” legislation most recently passed in reference to this document, and Trump accused Clinton of calling it the “gold standard.” China was notably excluded from this agreement, and its most controversial points include its copyright provisions and heavy slashing of tariffs. For 10 points, name this massive trade agreement between twelve countries circling the namesake ocean.**

ANSWER: **Trans-Pacific Partnership** Agreement (or **TPPA**)

5. Some members of this phylum are unable to synthesize fatty acids and absorb them through microtriches on their teguments. Many hermaphroditic species in this phylum undergo a type of “fencing” to decide the mother and father during mating. The *Turbellaria* class in this phylum includes the (*) non-parasitic planarians, and they lack a central body cavity. These organisms are usually contrasted with other bilateral invertebrates like annelids and nematodes, and the usually parasitic organisms in this phylum include flukes and tapeworms. For 10 points, name this animal phylum also known as the flatworms.

ANSWER: Platyhelminthes (accept flatworms before read)

6. When this object first appears, one character reminisces about a similar object, remembering how it was placed on a “garden wall” and how his auntie “mooed like a cow.” One character lays this thing “with great care in the grass” after receiving no assent from a group and declaring he won’t (*) play anymore. This object is crushed by a boulder that also kills the wearer of a similarly thematic pair of glasses. The holder of this object is permitted to speak, and it’s first used shortly after an airplane crash to call a meeting of schoolboys by Ralph and Piggy. For 10 points, name this beach object that symbolizes order in William Golding’s *The Lord of the Flies*.

ANSWER: the conch from *The Lord of the Flies* (or the shell)

7. One of this artist’s works in progress involves constructing oil barrels in a “Mastaba” outside Abu Dhabi, and another is set “Over the River.” Wolfgang Volz is the exclusive photographer of this artist’s works. This artist’s most recent work was set on Lake Iseo in Italy using (*) yellow “Floating Piers,” and a woman was crushed by a giant umbrella from one his installations. This artist installed thousands of saffron-colored “Gates” in Central Park. Prior to her death in 2009, this artist collaborated with his wife Jeanne-Claude. For 10 points, name this environmental artist who wrapped the Reichstag in over nine miles of fabric.

ANSWER: Christo (accept Christo Vladimirov Javacheff; accept Christo and Jeanne-Claude)

8. According to Plutarch, an illiterate man asked Aristides to perform this action because he was tired of hearing Aristides called “the Just.” Pericles’ father Xanthippus underwent this action due to the schemes of a politician who would later undergo it himself after leading the victorious (*) navy at Salamis. This action occurred to Themistocles, and Plutarch states that this action required 6,000 consenting citizens and customarily lasted for ten years. This practice derived its name from the pottery shards used to choose its victims. For 10 points, name this Athenian practice of exiling a citizen by a popular vote.

ANSWER: ostracism (accept word forms; prompt on synonyms like banishment or voting for someone to go into exile until mention)

9. Three quiet E minor chords in this composer’s last string quartet inspired its nickname, *Voces intimae*. Serge Koussevitzky wished to premiere this man’s eighth symphony, but he destroyed it instead. This man’s second symphony was written in Rapallo, Italy, though he mainly composed at his home, Ainola. A (*) cadenza replaces the development in the first movement of this man’s D minor violin concerto. An English horn symbolizes the title bird in another of this man’s works, the second of four tone poems depicting a hero from the *Kalevala*. For 10 points, name this composer of *The Swan of Tuonela* who names the only music university in Finland.

ANSWER: Jean Sibelius (or Johan Julius Christian Sibelius)

10. According to this law, the Euler equations imply a Hamiltonian whose derivative in the direction of the flow is zero. Under the steady flow assumption, this law states that pressure plus one-half density times v -squared plus a potential energy stays constant. The speed of a leak in a (*) tank from a certain height can be determined with Torricelli's law, a specific case of this principle. This equation results from applying energy conservation to each volume element of a fluid, and it explains why pressure drops as fluid flow accelerates. For 10 points, give this principle named for a Swissman and often used to explain lift on airplane wings.

ANSWER: Bernoulli's principle (accept "law" or "equation" or any sensible synonym as long as Bernoulli is mentioned)

11. A movie about people in this profession was dedicated to Art Scholl, a real-life one of them who died during filming. The first movie to win Best Picture centered on people of this profession. Ted Striker replaces people of this profession knocked out by food poisoning in a (*) Leslie Nielsen film parodying disaster movies. Kenny Loggins recorded music for a film centering on these people that includes a prominent volleyball scene, and Tom Cruise's character Maverick says, "I feel the need...the need for speed" in that movie centering on these characters. For 10 points, name this profession depicted in *Top Gun*, *Wings*, and *Airplane!*.

ANSWER: pilots (or fighter pilots; or airline pilots; or stunt pilots; or flyboys; or aviators; basically accept anything about dudes who fly planes)

12. This man's political enemies were eliminated by his personal police force, the Bravi, and he issued the Plan of Tuxtepec. Cries of this ruler's earlier slogan "effective suffrage, no reelection!" arose against him after he reneged on a promise to (*) retire given in an interview with James Creelman, and he was advised by a circle of technocrats called the *científicos*. After signing the Treaty of Ciudad Juárez with forces including Emiliano Zapata and Pancho Villa, this ruler was replaced by Francisco Madero as a result of the Mexican Revolution. For 10 points, name this longtime dictator who ruled Mexico from 1877 to 1911, a regime known as the *Porfiriato*.

ANSWER: (José de la Cruz) Porfirio Díaz (Mori)

13. A cult was established for this figure in Boeotia because he was born there after Hyrieus served an entire bull to the gods. This figure carried Cedalion on his shoulder, and in one version, he followed the sound of the Cyclops' hammers to the east. This figure basked in the light of Helios to (*) restore his sight after being blinded for forcing himself upon Merope, and Hesiod reported he was killed by a giant scorpion after claiming he could kill every beast on Earth. This figure pursues the hare Lepus in the night sky with his dog Sirius. For 10 points, name this being who was transformed into a constellation of a mighty "hunter."

ANSWER: Orion

14. The narrator of one of this author's stories hears a superstition about a monster hiding in a stomach stealing food and helps his ailing grandfather urinate. The story "The Diary of My Sixteenth Year" appears among this author's (*) Palm-of-the-Hand stories, and in one of his novels, Kikuko is lusted after by her father-in-law Shingo. One of this man's novels ends during a fire in a silk warehouse; that novel's protagonist is an expert in Western ballet named Shimamura who travels to the title location and meets the geisha Komako. For 10 points, name this Japanese author of *The Sound of the Mountain* and *Snow Country*.

ANSWER: Yasunari Kawabata (accept names in either order)

15. A thinker from this nation described the role of mass media in the “flattening” of people’s behaviors in *The One-Dimensional Man*. Herbert Marcuse was from this country, and a thinker from here defined authenticity as presence in time and space in (*) *The Work of Art in the Age of Mechanical Reproduction*. A thinker born in this country described the consequences of everymen just “doing their jobs” with the term “banality of evil,” which she coined in a book discussing the trial of a man from this country; that book is *Eichmann in Jerusalem*. For 10 points, name this nation home to Walter Benjamin, Hannah Arendt, and the Frankfurt School.
ANSWER: Germany

16. A test for these compounds reacts them with benzene-sulfonyl chloride in basic solution and is named for Hinsberg. One synthesis of these compounds using alkyl halides proceeds poorly because the product reacts further, and another is named for Gabriel. These compounds have pK_b values of approximately (*) 5, and they’re not phosphines, but the tertiary variety of these compounds often have a fishy smell. They can form by the reduction of nitro compounds, and they react with carboxylic acids to generate amides. For 10 points, name these organic compounds and functional groups in which a nitrogen with a lone pair is attached to alkyl or aryl groups.
ANSWER: amines (do not accept or prompt on “amides” at any point)

17. One man with this condition notices it while observing a mixed-painting including *The Hay Wain* and *The Last Supper*, and a dead group of people with this condition are discovered in a basement storeroom. A “girl with dark glasses” has this condition, and a man with this condition is stabbed in the throat with a (*) pair of scissors. People with this condition are quarantined in a group of wards, and the doctor’s wife inexplicably escapes this condition. This condition is described as a “white sickness” that causes the collapse of society before magically disappearing. For 10 points, name this infirmity that titles Jose Saramago’s most famous novel.
ANSWER: blindness (accept word forms and phrases and synonyms like not seeing; prompt on the white sickness before read)

18. On the right side of one of these works, a mousetrap sits in a workshop as Saint Joseph works with an awl. That example of this genre was created by Robert Campin and is named after the Merode family. A portion of one of these pieces known as the (*) “Just Judges” was stolen during World War II; that work of this type shows at its bottom a sheep bleeding into a chalice as four columns of people converge in an open field and was started by the artist’s brother Hubert. Jan van Eyck created a *Ghent* example of, for 10 points, what genre of religious art meant to be placed behind a specific part of a church?
ANSWER: altarpieces (accept *Merode Altarpiece*; accept *Ghent Altarpiece*; accept Annunciations and triptych until “Just” and prompt afterwards; prompt on just painting)

19. A passage in this poem paraphrases from *Julius Caesar* and describes “Between the idea / And the reality.” It borrows from the Lord’s Prayer for the stuttering “For Thine is / Life is / For Thine is the,” and images in this poem of (*) “Shape without form, shade without colour” and “Eyes I dare not meet in dreams” come from *The Inferno*. Phrases in it like “A Penny for the Old Guy” and “headpiece filled with straw” reference Guy Fawkes Day. This poem heavily references *Heart of Darkness*, as in the epigraph “Mistah Kurtz--he dead.” For 10 points, name this T.S. Eliot poem concluding, “This is the way the world ends / Not with a bang but a whimper.”
ANSWER: “The Hollow Men”

20. Two female martyrs living in this country were tied to stakes and drowned by the rising tide as part of a period of religious violence known as the “Killing Time.” The Darién scheme tried to establish a colony of this country in (*) Panama. This country’s southern neighbor attempted to force a political marriage on its infant queen in the Rough Wooing, which also aimed to break up the Auld Alliance between this country and France. The House of Stuart originated in this country, and James I of England was also James VI of this country. For 10 points, name this country joined by the 1707 Act of Union to England.

ANSWER: **Scotland** (or Rìoghachd na h-**Alba**; prompt on Great Britain or United Kingdom until “southern neighbor” is read; do not accept or prompt on “England”)

21. This author’s last novel centers on the conductor Gabriel Atlán-Ferrara’s performance of *The Damnation of Faust* and his love for the title *Inez*. A character conceived nine months before the 500th anniversary of Columbus’s journey narrates this author’s *Christopher Unborn*. One of this author’s novels is narrated by a (*) former tutor for the Miranda family, Harriet Winslow, who recalls the death of a character who is presumably Ambrose Bierce, while another of his novels is narrated from the deathbed by a Mexican tycoon. For 10 points, name this author of *The Old Gringo* and *The Death of Artemio Cruz*.

ANSWER: Carlos **Fuentes**

Bonuses

1. For 10 points each, answer the following questions about airports in the United States:

[10] This Midwestern city is home to both O'Hare International Airport and Midway International Airport. If you're lucky, you can get a good view of this city's Willis Tower on the approach to Midway.

ANSWER: **Chicago**

[10] This international airport competes with nearby airports named after Ronald Reagan and Thurgood Marshall. A Silver Line is in construction to connect this airport to its local metro, and its code is IAD.

ANSWER: Washington **Dulles** International Airport (prompt on just Washington or District of Columbia airport; prompt on IAD)

[10] FedEx's cargo airline operations are based in this airport that served as a hub for Delta Air Lines before it was de-hubbed in 2013.

ANSWER: **Memphis** International Airport (accept **MEM** or **KMEM**)

2. At the end of this novel, its unnamed protagonist tries to kill himself by drowning but calls out for help after realizing that he really, really wants a cigarette. For 10 points each:

[10] Name this novel by Tayeb Salih. Its narrative centers on Mustafa Sa'eed, a once-precocious student who returns to Sudan after murdering his wife Jean Morris.

ANSWER: **Season of Migration to the North** (note: no leading article!)

[10] Around the same time as the publication of *Season of Migration to the North*, this other author wrote the religiously-themed *Children of Gebelawi*, as well as a trilogy titled for an Egyptian city and starting with *Palace Walk*.

ANSWER: Naguib **Mahfouz**

[10] Salih's *Season of Migration to the North* and Mahfouz' *Cairo Trilogy* were both originally written in this language.

ANSWER: **Arabic**

3. During this event, rebels killed anyone who could not properly pronounce the Italian word for "chickpeas." For 10 points each:

[10] Name this 1282 uprising that ended the rule of Charles of Anjou over a Mediterranean island, named for the religious rites that were occurring at the time the revolt broke out.

ANSWER: **Sicilian Vespers**

[10] Charles of Anjou was the brother of this French king who died of dysentery during the Eighth Crusade. You can give either his name and number, or his more common title referring to his canonization.

ANSWER: **Louis IX** (or **Saint Louis**; prompt on Louis)

[10] As king, Louis IX expanded the power of this institution that ferreted out anti-Catholic heretics. Its Spanish iteration was led by Tomás de Torquemada and used devices like the rack.

ANSWER: The **Inquisition**

4. Johann Nepomuk Hummel's second piano concerto is in this key, which is also the key of another piano concerto opening with a timpani roll before a crashing entrance by the soloist. For 10 points each:

[10] Name this minor key with no sharps or flats in its key signature.

ANSWER: A minor (do not accept or prompt on "A major")

[10] The aforementioned timpani-roll-beginning piano concerto is one of the most famous works of this Norwegian composer, who included the dramatic "In the Hall of the Mountain King" in his incidental music to *Peer Gynt*.

ANSWER: Edvard (Hagerup) Grieg

[10] Like Grieg, this man wrote a set of *Symphonic Dances* for orchestra. His choral works include the most famous setting of the Eastern Orthodox Church's *All-Night Vigil*, which is sometimes incorrectly translated as *Vespers*.

ANSWER: Sergei (Vasilievich) Rachmaninoff

5. The Slutsky equation relates changes in the Marshallian and Hicksian forms of this quantity. For 10 points each:

[10] Name this economic quantity representing the desire for a good, almost always contrasted with supply.

ANSWER: demand

[10] Most forms of demand have this relationship with respect to price according to the first law of demand. The demand curves of Veblen and Giffen goods do not have this property.

ANSWER: inverse (accept things like as price goes up, demand goes down or as price goes down, demand goes up; accept negative slope)

[10] This economist names a model of transactions demand with William Baumol. This Nobel laureate also names a tax levied on foreign currency exchange transactions.

ANSWER: James Tobin (or Baumol-Tobin model; or Tobin tax)

6. Yoshinori Ohsumi won the 2016 Nobel Prize in Physiology or Medicine for his work on this process. For 10 points each:

[10] Name this process through which the cell degrades and recycles cell components. The name for this process comes from the Greek for "eat oneself."

ANSWER: autophagy (accept word forms, like autophagy)

[10] One mechanism for autophagy depends on this family of proteins that primarily serve as chaperones. Despite their name, these stress proteins are also expressed upon exposure to UV light, hypoxia, and low temperatures.

ANSWER: heat shock proteins

[10] In macroautophagy, autophagosomes enclose damaged cell components and fuse with this organelle. These digestive organelles break down old cell waste.

ANSWER: lysosome

7. The final leader of this kingdom, Ekkathat, was known as the "king with skin disease" by his subjects. For 10 points each:

[10] Name this Southeast Asian kingdom. Naresuan, a king of this state, famously cut the Burmese prince Mingyi Swa in half while the two were battling atop a pair of elephants.

ANSWER: Kingdom of Ayutthaya

[10] The Ayutthaya controlled land in this modern-day country. European traders who initially encountered the Ayutthaya called this country Siam.

ANSWER: Kingdom of Thailand

[10] This other Southeast Asian empire built a vast temple complex at Angkor. They share their name with the current predominant ethnic group in Cambodia.

ANSWER: Khmer Empire

8. In this aria, the singer asks Edgardo to sit with her next to an altar covered in roses. For 10 points each:

[10] Name this aria which is sung by the title character after she murders her new husband Arturo and while crazily wandering the Great Hall. The aria's title refers to the singer imagining Edgardo's voice.

ANSWER: "**Il dolce suono**" (prompt on "the mad scene")

[10] "Il dolce suono" appears in Act III of *Lucia di Lammermoor*, an opera by this Italian *bel canto* composer. His other famous arias include "Una furtiva lagrima" from *L'elisir d'amore*.

ANSWER: (Domenico) Gaetano (Maria) **Donizetti**

[10] Another scene of madness in opera occurs in this composer's *Macbeth* when the title character sees the ghost of Banco. Radames and the title character are buried alive at the end of this Italian's *Aida*.

ANSWER: Giuseppe (Fortunino Francesco) **Verdi**

9. The 2016 Pulitzer winner *The Sympathizer* is narrated by a man from this country. For 10 points each:

[10] Name this modern day country. Paul Berlin narrates a novel in which a character abandons his war squad and decides to walk from this country to France.

ANSWER: Socialist Republic of **Vietnam**

[10] *Going After Cacciato* is a novel by this writer, most of whose books derive from his experience in the Vietnam War. The title to his most famous book references both concrete items like dog tags and abstract ones like guilt.

ANSWER: William Timothy "Tim" **O'Brien**

[10] O'Brien both wrote and narrates this sort-of-fictional story collection. In one story, Kiowa drowns in a sewage field, and in another Mary Anne Bell is absorbed into a Green Beret troop.

ANSWER: *The* **Things They Carried**

10. The amazing adventures of many Greek heroes are often followed by much more pitiful deaths. For 10 points each:

[10] This hero stole the Golden Fleece with the rest of the Argonauts, but died old and lonely while sitting on the beach after a piece of the rotting *Argo* fell on him.

ANSWER: **Jason**

[10] This man ventured far and wide to find his sister Europa. However, his killing of a sacred dragon haunted him with misfortune until he was eventually turned into a snake to slither out the rest of his days.

ANSWER: **Cadmus**

[10] Many years after the *Odyssey*, this son of Odysseus and Circe unknowingly killed Odysseus with a stingray spine. According to Hyginus, this man later had the son Italus with Penelope.

ANSWER: **Telegonus** (accept the *Telegony*)

11. For 10 points each, "see" if you can get all "three" parts of this bonus about C3:

[10] In plant biology, C3 is one of three ways to accomplish this process in which inorganic carbon is converted to organic carbon. Other ways of accomplishing this process include C4 and CAM.

ANSWER: **carbon fixation** (or **carbon assimilation**; prompt on partial answers)

[10] This molecule possesses a C3 symmetry axis. It's the main product of the Haber-Bosch process, and is mainly used for its valuable properties as a farm fertilizer.

ANSWER: **ammonia** (accept **NH₃**)

[10] In computing, the C3 linearization algorithm is used to solve the multiple type of this property, which then leads to the "deadly diamond of death." It also has a single type, and is often – but not always! – the same as subtyping.

ANSWER: **inheritance** (accept word forms)

12. *Notes on Prosody* is a book describing the differences in rhythm between these two languages. For 10 points each:

[10] First, name these **two** languages in which Vladimir Nabokov excelled. Nabokov romanized the untranslatable sadness-connotating word “poshlost” in one of these languages into “poshlust” in the other.

ANSWER: **Russian and English** (prompt if they only give one; *Ed’s note: accept английский [angliyskiy] and русский [russkiy]*)

[10] Nabokov discussed *poshlost* in his book about this Russian author. This writer also wrote *Taras Bulba* and a book in which Chichikov schemes to get rich by purchasing the title items.

ANSWER: Nikolai **Gogol** (*Ed’s note: the latter book is Dead Souls*)

[10] Nabokov also translated this book with his son Dmitri. This Mikhail Lermontov book contains the character of Grigory Pechorin and a sub-novella titled *Princess Mary*.

ANSWER: A **Hero of Our Time** (or **Geroy nashego vremeni**)

13. Thin film solar cells contain silicon of this type. For 10 points each:

[10] Give these solids that lack long-range crystalline structure.

ANSWER: **amorphous** solids

[10] Glasses are both amorphous and a noncrystalline form of these inorganic, nonmetallic solids that tend to be good thermal and electrical insulators. You might have made the porcelain variety in pottery class.

ANSWER: **ceramics**

[10] The main variety of this polymer glass is formed by repeating units of bisphenol A. It is a major component of bulletproof glass, laboratory safety glasses, and compact discs.

ANSWER: **polycarbonates**

14. It’s “The One With A Bonus About Sitcoms About Friends.” For 10 points each:

[10] First, name this *Friends* successor centering on Ted Mosby encountering his wife for the first time, as the show’s title implies. This show controversially ended with said wife Tracy dying in the finale.

ANSWER: **How I Met Your Mother** (or **HIMYM**; *Ed’s note: Did I say controversially? I meant incredibly stupidly.*)

[10] A lot of *Friends* itself centered on the will-they/won’t-they dynamic between Rachel and this David Schwimmer played character. This archaeologist was fond of yelling at Rachel that he was “on a break.”

ANSWER: **Ross** Geller (prompt on Geller, since Ross’s sister Monica is also a main character)

[10] The happy-go-lucky, young New Yorker setting of *How I Met Your Mother* and *Friends* was a stark contrast to Korean War sitcom *M*A*S*H* [“mash”]. Just listen to this dark *M*A*S*H* theme song, which says the title event “brings on many changes.”

ANSWER: “**Suicide is Painless**” (prompt on “Song from M*A*S*H”, I guess)

15. One character with this profession was introduced with his boss Bertie Wooster in the story “Extricating Young Gussie.” For 10 points each:

[10] Name this dignified service profession, the occupation of P.G. Wodehouse’s Jeeves.

ANSWER: **butler** (or **valet**; prompt on “servant”)

[10] A butler named Stevens serves possible Nazi sympathizer Lord Darlington in *The Remains of the Day*, a book by this British author of Japanese ancestry. He also wrote about cloning in *Never Let Me Go*.

ANSWER: Kazuo **Ishiguro**

[10] In *The Remains of the Day*, Lord Darlington puts Stevens in the unenviable position of providing this service for Reginald Cardinal, which Reginald’s father David has failed to do for the past five years. Stevens also fails.

ANSWER: **teaching** him about **sex** (or teaching him the **birds and the bees**; or teaching him the **facts of life**; or giving him **the talk**; or anything similar, really; prompt on teaching)

16. Name some things about the presidency of Chester Arthur, for 10 points each:

[10] Arthur became president after this Republican predecessor was assassinated by Charles Guiteau.

ANSWER: James A(bram) **Garfield**

[10] To prevent more Guiteau-like instances, Arthur signed this act. Named for an Ohio senator, it sought to eliminate the influence of political ties on government appointments.

ANSWER: **Pendleton** Civil Service Reform Act

[10] Arthur also signed the Chinese Exclusion Act, partly due to this odious leader of the Workingmen's Party of California. He ended most of his speeches by saying, "The Chinese must go."

ANSWER: Denis **Kearney**

17. Answer the following question about recent Nobel prizes. For 10 points each:

[10] The Nobel prize in Chemistry in 2014 was given to Eric Betzig for this type of fluorescent microscopy, which allows researchers to see details smaller than 400 nanometers and even track single molecules inside cells.

ANSWER: **super-resolution** imaging / microscopy (accept equivalents)

[10] That same year, the Nobel in physics was given to Japanese researchers who were finally able to make LEDs of this color. Stars of this color include Rigel, and have spectral class O and A.

ANSWER: **blue**

[10] The 2010 physics Nobel was given to two Russian scientists for discovering graphene, a one-atom-thick allotrope of this element.

ANSWER: **carbon**

18. This figure insists on feeding her visitor a "fattened calf" and some bread before he leaves. For 10 points each:

[10] Name this figure who raises a ghost at the insistence of a figure unable to hear God "by Urim, by prophets, or by dreams." In Jewish tradition, this figure is the mother of Abner.

ANSWER: **Witch of Endor** (accept **Medium of Endor** or basically anything mentioning **Endor** and a prophetic person)

[10] This king of Israel consults the Witch of Endor to see the ghost of the prophet Samuel, who berates this man and tells him he'll die in battle with the Philistines. In 1 Samuel, this figure then commits suicide the next day.

ANSWER: **Saul**

[10] Saul is then succeeded by this man as king. As a boy, this man slew the mighty Goliath.

ANSWER: **David**

19. One work by this artist places the head of Shirley Temple on the body of a red lion and calls her *The Youngest, Most Sacred Monster of the Cinema in her Time*. For 10 points each:

[10] Name this artist. He painted squares of four men all aiming rifles at each other in a work whose title portmanteaus "deoxyribonucleic acid" and the name of his wife, Gala.

ANSWER: Salvador (Domingo Felipe Jacinto) **Dalí** (i Domanech)

[10] Dalí was a pioneer in this school of art founded by André Breton. It sought to tap into dreams and the unconscious, which led to its practitioners making some really weird artworks.

ANSWER: **Surrealism** (accept word forms; *Ed's note: Reeaaaaaally weird.*)

[10] A copy of this artwork appears above a door in Dalí's *Before the Imminent Arrival of the Conical Anamorphoses*. It depicts two people standing in a field in praying.

ANSWER: *The* **Angelus** (or *L'* **Angelus**; the artist is Millet)

20. This monarch's namesake "cylinder" contains what has been controversially called the world's first declaration of human rights. For 10 points each:

[10] Name this founder of the Achaemenid dynasty who conquered both the Medes and the Lydians.

ANSWER: **Cyrus the Great** (or **Cyrus II**; prompt on **Cyrus**)

[10] Cyrus started the Achaemenid dynasty in this empire, whose later king Darius III would lose the Battles of Issus and Gaugamela to Alexander the Great. This empire also repeatedly tried to invade Greece.

ANSWER: **Persia**

[10] This Greek historian wrote a fictionalized biography of Cyrus the Great called the *Cyropaedia*. He documented Cyrus the Younger's failed attempt to usurp the Persian throne in his *Anabasis*.

ANSWER: **Xenophon**

21. After a battle at the Edisto River during this conflict, Chickasaw and Catawba Indians were hired to track down the remaining members of the losing side. For 10 points each:

[10] Name this 1739 campaign, led by a man named either Jemmy or Cato with the intended goal of reaching Spanish Florida. An act passed in the wake of this conflict severely curtailed manumission.

ANSWER: **Stono** Rebellion

[10] The Stono Rebellion was a slave revolt in this state, also the site of a revolt by Denmark Vesey in its port city of Charleston.

ANSWER: **South Carolina**

[10] Spanish Florida, the destination of the Stono slaves, became U.S. territory due to a treaty named for this secretary of state and Luis de Onís. This man also argued the *Amistad* case before the Supreme Court.

ANSWER: John **Quincy Adams** (prompt on **Adams**, but do not accept or prompt on "John Adams")

