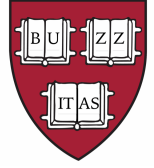


## Harvard Fall Tournament XIV

Edited by Jon Suh with assistance from Jordan Brownstein, Ricky Li, and Michael Yue

Questions by Jon Suh, Michael Yue, Ricky Li, Kelvin Li, Justin Duffy, Thomas Gioia, Chris Gilmer-Hill, Laurence Li, Jonchee Kao, Peter Laskin, Olivia Murton, Mazin Omer, Alice Sayphraraj, and Kevin Huang

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Packet 8

Tossups

1. **These constructs are considered as functions in the BHK interpretation. All consistent formal systems contain statements that neither possess nor dispossess these constructs, according to Gödel’s [“GER-dull’s”] first incompleteness theorem. One technique for these constructs assumes the opposite is true and derives a (\*) contradiction, while another establishes a “base case” and shows that the statement for  $n$  implies the statement for  $n$  plus one. That technique for these constructs is induction. These constructs can be visualized with two columns for “propositions” and “reasons.”** For 10 points, name these constructs that demonstrate the truth of mathematical statements.

ANSWER: mathematical **proofs**

<R. Li, Math>

2. **This poet described a “wounded surgeon” that “plies the steel” in a poem that begins “In my beginning is my end.” A poem by this author named for a manor house in the Cotswolds begins “Time present and time past.” This poet wrote of “the eyes that fix you in a formulated phrase” in a poem that asserts that “I shall wear the bottoms of my (\*) trousers rolled.”** That poem features images of “mermaids singing, each to each” and “yellow fog... on the window-panes.” This poet of *Four Quartets* wrote a poem in which a man hears “women come and go, talking of Michelangelo.” For 10 points, name this poet of “The Love Song of J. Alfred Prufrock.”

ANSWER: Thomas Stearns **Eliot**

<Gioia, British Literature>

3. **This pacifist lost a close Senate election to Truman Newberry. This man’s “landia” was a failed venture in Brazil designed to supply rubber. This man’s popularity greatly decreased after pictures showed this man’s hired hands beating Walter Reuther [“ROO-thur”] in the “Battle of the Overpass.” This man was the only American praised in (\*) *Mein Kampf*.** This man printed the anti-semitic polemic *The Protocols of the Elders of Zion* in his newspaper *The Dearborn Independent*. This man once quipped that his signature product was available in any color “as long as it’s black.” For 10 points, name this American automaker of the Model T.

ANSWER: Henry **Ford**

<Suh, American History>

4. **A congresswoman from this place was one of three House Republicans to co-sponsor the Equality Act. Brock Long told a politician from this place to “get plugged in.” The legislation PROMESA aims to restructure this place’s debt. The “We Are More” march was a protest in this place. Christian Sobrino said that he was “salivating to shoot” a mayor from this place, who accused the (\*) Trump administration of “killing us with inefficiency.”** This polity’s former governor Ricardo Rosselló resigned after leaked texts from Telegram revealed jokes about Hurricane Maria. For 10 points, name this American commonwealth with capital at San Juan.

ANSWER: **Puerto Rico**

<R. Li, Current Events>

5. In a novel, this character is told that sometimes one must “put one admiral to death in order to inspire the others to fight.” This character nearly kills his lover’s brother, who he discovers to be a Jesuit, after saving his lover from Don Issachar and an Inquisitor. This man and a valet acquire two (\*) red sheep from El Dorado, and his mentor prevents him from saving the drowning Jacques the Anabaptist in Lisbon. This man tells his mentor that “we must cultivate our garden” at the end of a novel in which that mentor, Dr. Pangloss, asserts that “this is the best of all possible worlds.” For 10 points, name this title character of a satire by Voltaire.

ANSWER: Candide

<Yue, European Literature>

6. St. Augustine wrote that one type of this concept could be passed on via “concupiscence.” The narrator of Psalm 51 notes that this concept is always before him. Hamartiology is the theological study of this concept. According to the Book of Romans, this concept is any act not done out of faith, and everyone has fallen short of the glory of God because of this (\*) concept. Blaspheming the Holy Spirit is the only unforgivable one of these acts in the Bible. Immaculate Conception is the doctrine that Mary was without the “original” form of this concept. For 10 points, name these acts of offense against God that are sometimes classified into “seven deadly” types.

ANSWER: sins (accept transgressions or iniquities; accept hamartia until “hamartiology”; accept original sin; accept hata; prompt on vices; prompt on less specific things like being bad or being evil)

<Suh, Religion>

7. A type of these things originally called *nau da prata* were locally dubbed *kurofune* [“KOO-roh-FOO-neh”] during the Nanban period. In the early 17th century, *shuinjo* [“shoo-IN-joe”], or red seals, were required for some of these things to operate. The arrival of some of these things led to the Convention of Kanagawa. The policy of *sakoku* ended after the appearance of those four (\*) “black” ones of these things. These things often arrived at and left Dejima in Nagasaki and helped transmit “Dutch learning” to the Tokugawa shogunate. For 10 points, Matthew Perry demanded that Japan open up to trade after arriving in Tokyo Bay in what kinds of vessels?

ANSWER: ships (or boats; accept gunboats or warships; accept black ships or red seal ships)

<Suh, World History>

8. This artist included the Cossa coat of arms and allegorical depictions of three virtues in a tomb he designed with his mentor Michelozzo. Another work by this sculptor of the Tomb of Antipope John XXIII depicts a haggard woman in prayer with folded hands. This artist placed a statue of the prophet Habbakuk nicknamed “Zuccone” outside of the Orsanmichele, the site of several of his sculptures. This man’s (\*) equestrian statue of Erasmo da Narni is named *Gattamelatta*. This artist created a more feminine version of a biblical figure leaning on his sword while stepping on his deceased foe’s head. For 10 points, name this Florentine sculptor of a bronze *David*.

ANSWER: Donatello (or Donatello Niccolò di Betto Bardi)

<Gioia, Sculpture>

9. It’s not skeletal, but hydrofluoric acid can interfere with this system by binding to calcium after being absorbed through the skin. A device applied to a defective organ in this system is the LVAD [“EL-vad”]. The CABG [“cabbage”] procedure is performed on an organ in this system. Many procedures performed on this body system require the expertise of a (\*) perfusionist. Another condition of this system, angina [“ann-JYE-nah”], can be treated with nitroglycerin. A stress test named for this system involves exercising on a treadmill and measuring the output of an organ in this system. For 10 points, name this body system which pumps blood.

ANSWER: cardiovascular system (or circulatory system; accept cardiopulmonary system)

<K. Li, Biology>

10. This event once featured a “perfunctory, tuneless chant” and a “ritual salute,” and is currently run by a man who also runs the local Halloween program. A character attends this event because her son Horace is 16 years old, and Mrs. Delacroix notes that it “seems like there’s no time at all between [these events] any more.” Old Man (\*) Warner has attended this event 77 times. This event begins with Mr. Summers bringing a black wooden box. This event “isn’t fair, it isn’t right” according to Tessie Hutchinson, who receives a paper with a black spot and is stoned to death. For 10 points, name this annual event that titles a Shirley Jackson story.

ANSWER: the Lottery

<Yue, American Literature>

11. This man avenged his charioteer’s death by throwing a large rock at Teucer, injuring him. This man’s helmet caused his infant son Astyanax [“as-TYE-uh-nax”] to cry. After fighting a hero to a draw for a full day, this man gave his sword to that opponent, who would later use that sword to commit suicide. This man slayed Protesilaus, fulfilling the prophecy that the first (\*) Greek to set foot on Trojan soil would be killed. This man realized he would die after Athena appeared to him in the guise of his brother Deiphobus. This killer of Patroclus was chased around Troy three times before Achilles killed him. For 10 points, name this greatest warrior of Troy.

ANSWER: Hector [Writer’s note: Ajax the Greater battled Hector.]

<Suh, Mythology>

12. In this process, a “cow” or “pig” adaptor can be used for samples that are air-sensitive. A specialized vessel historically used in this process is called a retort. Pieces of tubing used to increase surface area in this technique are known as Raschig rings. This technique can be analyzed using the McCabe–Thiele [“TEE-lee”] method or the Fenske equation. Under ideal conditions, this technique follows (\*) Raoult’s law, but it fails for exceptions like azeotropes. The fractional form of this technique can be used to increase the alcohol content of fermented beverages. For 10 points, identify this technique used to separate liquids based on their boiling points.

ANSWER: distillation (accept fractional distillation, vacuum distillation, or steam distillation)

<Duffy, Chemistry>

13. In *Skyfall*, Moneypenny tells James Bond that Q is afraid of doing this action. Before storming the *Invisible Hand*, a Ewan [“YOO-un”] McGregor character complains that this action is for “droids.” In a 1980 film, Dr. Rumack asks Ted Striker if he can successfully do this action, right before saying “Don’t call me Shirley.” Immediately before falling into the abyss during his battle with Durin’s Bane, (\*) Gandalf commands the Fellowship to do this action. The Wicked Witch of the West is commonly misquoted as ordering her “pretties” to do this action. For 10 points, what action do Elliott and E. T. do on a bicycle during a full moon in an iconic scene?

ANSWER: flying (prompt on piloting or manning an airplane; prompt on gliding or other perceived synonyms; accept “Fly, you fools!” or “Flying is for droids”; accept flight)

<Suh, Trash>

14. A future president of this modern-day country gave an inflammatory St. Vitus’ Day speech on the 600th anniversary of a 1389 battle. A Chinese embassy in this modern-day country was accidentally bombed during Operation Allied Force. A future president of this country campaigned against the KLA, and that president was toppled in the Bulldozer Revolution. The predecessor to this modern-day country fought a (\*) 1999 war to retain control over Kosovo, and Montenegro broke away from this country in 2006. For 10 points, name this modern-day Balkan nation that was once led by Slobodan Milošević [“mee-LOW-seh-vich”], with a capital at Belgrade.

ANSWER: Serbia (accept Serbia and Montenegro before mention; prompt on Kosovo or Montenegro until mention; Yugoslavia by asking, “Which constituent republic of Yugoslavia?”) [Editor’s note: That 1389 battle is the Battle of Kosovo.]

<L. Li, European History>

15. This man was surprised by the public resistance to his designs for a hotel at Fragrant Hills. This man came out of retirement to design the Museum of Islamic Art in Qatar. This frequent collaborator of Henry M. Cobb was inspired by Anasazi cliff dwellings to design the Mesa Laboratory of the National Center for Atmospheric Research. This man's designs in Boston include the (\*) John F. Kennedy Presidential Library and the John Hancock Tower, which suffered from falling windows. For 10 points, name this late Chinese-American architect who designed the Rock and Roll Hall of Fame in Cleveland and the glass pyramid at the Louvre ["loov"].

ANSWER: I. M. Pei (or Ieoh Ming Pei)

<Suh, Architecture>

16. A measure of displacement due to this process scales with the square root of six times a namesake quantity times time. In semiconductors, this process's "current" is contrasted with drift current. A quantity named for this process is given in terms of mobility and temperature by the Einstein–Smoluchowski relation. That quantity multiplies negative (\*) concentration gradient to give flux in Fick's first law. This process is modeled as a random walk in Brownian motion. When water undergoes this process, it is known as osmosis. For 10 points, name this movement of particles from areas of high concentration to low concentration.

ANSWER: diffusion (prompt on osmosis until mention; prompt on Brownian motion until mention)

<Yue, Physics>

17. The narrator of a story by this author recalls going to Louise's cellar to play the title game, whose players represent authors and readers. After visiting Soul Scrolls, the protagonist of a novel by this author is asked if God listens to prayer-printing machines, and is later given a *Vogue* magazine and some hand lotion. A title character created by this author gets his nickname from the trivia game Extinctathon and is shot by (\*)

Snowman. In another novel by this author of *Oryx and Crake*, a member of the title profession plays *Scrabble* with the Commander. For 10 points, name this Canadian author who created Offred in *The Handmaid's Tale*.

ANSWER: Margaret Atwood [*Writer's note*: The first story is "Murder in the Dark."]

<R. Li, World Literature>

18. Bruckner suggested that his *Te Deum* could complete his symphony of this number. Mahler's symphony of this number begins with a depiction of his "failing heartbeat." Schubert's symphony of this number, his last, begins with two French horns playing a C-major melody. A symphony of this number features a finale with a "Turkish March," multiple cello-bass recitatives, and a bass (\*) soloist that sings, "Oh friends, not these sounds!" Symphonies of this number include Schubert's "Great" and a D-minor work containing a setting of Schiller's "Ode to Joy." For 10 points, name this number of Beethoven's final symphony, nicknamed "Choral."

ANSWER: 9 (accept ninth symphony and equivalents)

<Yue, Music>

19. Carol Gilligan's theory of this subject emphasizes cultivating interpersonal relationships. G. E. Moore describes the "naturalistic fallacy" in one book titled for this subject, while another book titled for it describes "modes of God's attributes" and contrasts "adequate" and "inadequate" ideas. This subject has "care" and (\*) "virtue" varieties, and it titles a work that opens with the section "Of God" and describes the "striving" principle *conatus*. An Aristotle work discussing the Doctrine of the Mean is titled for Nicomachus and this subject, which also names a Baruch Spinoza work. For 10 points, name this branch of philosophy that studies right and wrong.

ANSWER: ethics (accept morality or morals; anti-prompt [make less specific] on care before "modern philosophy")

<Yue, Philosophy>

20. The song “Lillibullero” became popular during this event. A period of panic during this event was called the “Irish Night.” Before this event, Gaspar Fagel wrote an open letter criticizing the policies of one king. The “Immortal Seven” sent an invitation that caused this event, which saw a force land at Torbay before winning the Battle of the (\*) Boyne. The birth of James Francis Edward partially caused this event by sparking fears of a Catholic succession to the throne. The English Bill of Rights was written after the conclusion of this event. For 10 points, name this relatively peaceful transition of power from James II to William and Mary.

ANSWER: **Glorious Revolution** (or **Bloodless Revolution**; or **Revolution of 1688**)

<Suh, British History>

21. Molybdenum disulfide can be used to reduce this force. It’s not electrostatics, but Coulomb names a law of this force which states that it is independent of relative velocity. The Stribeck curve quantifies how this force changes non-linearly with contact load. Tribology, which is the study of this force, was pioneered by Guillaume (\*) Amontons. The dry variety of this force is proportional to the normal force multiplied by its namesake coefficient. This force comes in both static and kinetic varieties. The work done by this force is dissipated as heat. For 10 points, name this non-conservative force which is reduced by ball bearings and lubricants.

ANSWER: **friction**

<K. Li, Physics>

## Bonuses

1. In the BWV catalogue, J. S. Bach's suites numbered between 995 and 1000 are for this solo instrument. For 10 points each:

[h] Name this plucked stringed instrument with strings arranged in courses of two strings each. John Dowland was a notable performer of this instrument, which accompanies his songs "I saw my Lady weep" and "Flow my tears."

ANSWER: **lute**

[e] John Dowland was a Renaissance composer from this modern-day country, where William Byrd and Thomas Tallis composed for Queen Elizabeth I.

ANSWER: **England** (accept Great **Britain**; accept **United Kingdom** or **UK**)

[m] The English Baroque composers Jeremiah Clarke and Henry Purcell both composed famous "voluntaries" for this instrument. This instrument is closely related to the cornet.

ANSWER: **trumpet**

<Yue, Music>

2. For 10 points each, answer the following about the geography of the Greek underworld.

[e] The most prominent building in the underworld is the palace of this Greek god of the dead and king of the underworld. This god's name can refer to the underworld itself.

ANSWER: **Hades** (or **Aides** or **Aidoneus**)

[h] This river, known as the river of fire, surrounds the hellish region of Tartarus and helps prevent escape.

ANSWER: **Phlegethon**

[m] In contrast to Tartarus and Elysium, these fields in the underworld are the final destination for ordinary souls. In *The Odyssey*, Odysseus meets with the ghosts of his fallen comrades in this location.

ANSWER: **Asphodel** Fields (or **Asphodel** Meadows)

<Duffy, Mythology>

3. This type of masked theater is typically accompanied by a *taiko* drum and a *fue* ["**FOO-ay**"] flute. For 10 points each:

[m] Name this genre of stylized Japanese drama developed by Kan'ami and Zeami which uses wooden masks. Plays in this genre of theatre are often separated by comedic *kyogen*.

ANSWER: **noh** (or **nogaku**)

[e] The symbol of two masks with contrasting emotions are used to represent comedy and this other genre of Greek theatre. According to Aristotle's *Poetics*, this genre creates catharsis through "pity and terror."

ANSWER: **tragedy**

[h] The mask of this Italian *commedia dell'arte* stock character is a half-mask with a long nose, prominent eyebrows, and a long beard. This character is an old wealthy man that is often greedy and dressed in red trousers.

ANSWER: **Pantalone** ["**pan-ta-LO-nay**"]

<Yue, World Literature>

4. This stuff was mandated to be distributed for free by the Education Act of 1944, and Edward Short was the first to remove funding for this stuff in 1968. For 10 points each:

[m] Name this foodstuff that ceased to be given out for free to children aged 7–11 in public schools in 1971. A politician who spearheaded the cost-cutting effort was heavily criticized for “snatching” this away.

ANSWER: **milk**

[e] This “Iron Lady” and future Prime Minister who pushed for education cuts that abolished free milk in schools was given the nickname “Milk Snatcher.”

ANSWER: Margaret **Thatcher**

[h] In 1984, Thatcher narrowly survived an assassination attempt by the IRA member Patrick Magee who planted a bomb in a hotel in this town. Thatcher survived, though five people died in the explosion.

ANSWER: **Brighton**

<Suh, British History>

5. Organolithium reagents can be pyrophoric because they are the “strong” type of these compounds. For 10 points each:

[e] Name these compounds which are used to deprotonate acids. These compounds are characterized by a high  $pK_a$ .

ANSWER: **base**

[m] Organolithium reagents can also function as these species due to the polarity of the carbon–lithium bond. These species are named for their affinity for the positively-charged center of an atom and are contrasted with electrophiles.

ANSWER: **nucleophiles**

[h] Unlike organolithium reagents, these compounds can perform conjugate nucleophilic addition. These copper containing compounds are prepared by reacting two equivalents of an organolithium reagent with a copper(I) salt.

ANSWER: **Gilman** reagent

<K. Li, Chemistry>

6. For 10 points each, answer the following about paintings depicting people dancing.

[h] This John Singer Sargent painting shows a Spanish gypsy dancer performing, while in the background, a row of seated musicians and dancers accompany her. Two guitars hang on the wall, while one musician has fallen asleep.

ANSWER: *El Jaleo* [“hah-LAY-oh”]

[m] This French co-founder of Fauvism painted two versions of *La Danse*, both of which depict five nude women holding hands and dancing in a circle.

ANSWER: Henri **Matisse**

[e] The French Impressionist Edgar Degas [“day-GAH”] frequently painted women wearing tutus and performing this general type of dance.

ANSWER: **ballet**

<Suh, Painting>

7. Fanny Burney's novel *Evelina* typified an eighteenth-century genre of English novels known as "novels of [this concept]," of which conduct novels are a subgenre. For 10 points each:

[m] Name this concept represented by Marianne Dashwood in a novel in which she gets engaged to Colonel Brandon instead of John Willoughby. This concept is the final word in the title of that novel.

ANSWER: **sensibility**

[e] This British author of *Sense and Sensibility* was influenced by novels of sensibility to write novels like *Mansfield Park* and *Pride and Prejudice*.

ANSWER: Jane **Austen**

[h] This author critiqued the novel of sensibility in *Mary: A Fiction*. Her unfinished novel *Maria*, published by her husband William Godwin, was a sequel to a treatise arguing that women were trapped in a "cult of sensibility."

ANSWER: Mary **Wollstonecraft**

<Yue, British Literature>

8. These rocks make up nearly three quarters of the Earth's land surface. For 10 points each:

[e] Name this class of rocks that forms from the accumulation and cementation of minerals, biological matter, and broken down bits of other rocks.

ANSWER: **sedimentary** rocks

[m] This most common sedimentary rock is often found between facies ["**FAY-shees**"] of sandstone and limestone on coasts. Natural gas deposits in this fissile rock have made it a popular target of fracking in the Midwest.

ANSWER: **shale**

[h] With increasing heat and pressure, shale metamorphoses into slate, phyllite ["**FYE-lite**"], and then this medium-grade metamorphic rock. This rock is usually primarily composed of mica ["**micah**"] crystals and often contains deposits of garnet.

ANSWER: **schist** ["**shist**"]

<Duffy, Earth Science>

9. These things were the subject of scrutiny by a Senate subcommittee chaired by Estes Kefauver. For 10 points each:

[h] Name these works, a particularly graphic one of which Kefauver entered into evidence after publisher William Gaines contended that he only sold these works with "good taste."

ANSWER: **comic** books

[m] Kefauver's Vice Presidential rival in the 1956 presidential election was Richard Nixon, who became famous during his time in HUAC investigating this man suspected of being a Soviet spy.

ANSWER: Alger **Hiss**

[e] In 1950, this Senator nicknamed "Tail-Gunner Joe" caused an uproar by claiming to have a list of Communists working in the State Department. His namesake "-ism" refers to reckless and unsubstantiated accusations.

ANSWER: Joseph **McCarthy** (accept **McCarthyism**)

<Suh, American History>



10. This construct features two sections corresponding to visible things and their likenesses, which contrast ones' illusions of our ordinary experiences and our beliefs about physical objects in those experiences. For 10 points each:  
[h] Name this construct featured prominently in Plato's *Republic*. This construct also contains the two contrasting sections of Thought and Understanding in its representation of the intelligible world.

ANSWER: the **Divided Line**

[e] After discussing the Analogy of the Divided Line, Socrates makes an allegory about one of these places. Chained people in one of these places can only see projected shadows and thus take those shadows as their reality.

ANSWER: a **cave**

[m] This other philosopher analogized the cave as a human mind to define the Idols of the Cave, one of four idols published in his *Novum Organum*. That work offered an early defense of the modern scientific method.

ANSWER: Francis **Bacon**

<Yue, Philosophy>

11. This musician dismissed criticism of one of his albums not being jazzy enough by saying that "it's music, and I like it." For 10 points each:

[m] Name this jazz musician, who adapted the *Adagio* from Rodrigo's *Concierto de Aranjuez* as the opening track of that album, *Sketches of Spain*. His other albums include *Birth of the Cool*.

ANSWER: Miles **Davis**

[e] The Spanish-tinged Juan Tizol standards "Caravan" and "Perdido" were first performed by the big band of Duke Ellington, a player of this instrument.

ANSWER: **piano**

[h] This fusion pianist's song "Spain" also begins with an adaptation of Rodrigo's *Concierto de Aranjuez*. He replaced Herbie Hancock in Davis's band and was the pianist on *Bitches Brew*.

ANSWER: Chick **Corea**

<Yue, Jazz>

12. A group of these people who lived north of the Vaal River gained independence via the Sand River Convention of 1852. For 10 points each:

[m] Name these people who rose up in the Maritz Rebellion and fought the Siege of Mafeking ["MAF-fuh-king"] against Robert Baden-Powell's British forces.

ANSWER: **Boers** (accept **Afrikaners**)

[e] Tensions between the Boers and the British intensified after the discovery of this shiny metal at the Witwatersrand Basin. That discovery caused the greatest "rush" of this metal in history.

ANSWER: **gold**

[h] This president of the South African Republic was the face of the Boer cause during the war. As the war went badly for the Boers, Queen Wilhelmina of the Netherlands extracted this man to Europe, where he died in exile.

ANSWER: Paul **Kruger**

<Suh, World History>

13. For 10 points each, answer some questions about particle physicist and Nobel laureate Murray Gell-Mann.  
[m] Gell-Mann coined this term for the elementary particles which are subject to all of the fundamental forces. Three of these particles combine to form baryons like protons.

ANSWER: **quarks**

[h] One of Gell-Mann's many discoveries was this flavor of the third lightest of all quarks. Particles which can be connected by a horizontal line in the eightfold way have the same value for this flavor.

ANSWER: **strangeness** (prompt on S)

[e] With Nishijima, Gell-Mann names a formula for determining this physical property of particles. This property is defined based on the proton and the electron which carry equal and opposite magnitudes of this property.

ANSWER: electric **charge** (prompt on Q)

<K. Li, Physics>

14. At the end of the novel in which this character appears, he laughs while quoting a nursery rhyme ending with, "Better start running, the Black Cook's coming!" For 10 points each:

[m] Name this character who tells Vittlar to falsely accuse him of Sister Dorothea's murder, which eventually lands him in the asylum from which he narrates a Günter Grass novel.

ANSWER: **Oskar Matzerath** (accept either underlined name)

[e] Oskar identifies himself as this man to the police, causing them to send him to the asylum. This man names an archetypal "figure" that sacrifices him- or herself for the good of others, perhaps accompanied by symbols of crucifixion.

ANSWER: **Jesus Christ** (accept either underlined name; prompt on the Messiah or a messianic figure)

[h] After forming the Rhine River Three jazz trio with Klepp and Scholle, Oskar is invited by Mr. Schmuß to play his drums at this club where due to the namesake vegetable, "at long last, people wept again."

ANSWER: the **Onion Cellar**

<Yue, European Literature>

15. This ruler sentenced Giuseppe Mazzini to death *in absentia* and executed several members of Young Italy after an 1833 incident in Genoa, actions which Mazzini never forgave him for. For 10 points each:

[h] Name this Savoy king of Sardinia whose forces lost the battles of Custoza and Novara to Joseph Radetsky and the Austrians during the First Italian War of Independence.

ANSWER: **Charles Albert** of Sardinia

[m] Charles Albert lends his name to one of these things, other examples of which include a "May 3" one created in Poland in 1791.

ANSWER: **constitutions** (accept the Albertine **Statute**; accept **constitutional** monarchy)

[e] Charles Albert envisioned an Italian federation led by the holder of this position, who leads the Catholic Church. Holders of this position have included Pius IX and Benedict XVI, and they reside in Vatican City.

ANSWER: **Pope** (or **Pontifex Maximus**, **Supreme Pontiff**, or the **Papacy**; accept the **Bishop of Rome**)

<L. Li, European History>

16. The Bob Cousy Award is annually given to the best male NCAA player who plays this position. For 10 points each:

[m] Identify this position that Steve Nash and Chris Paul have primarily played throughout their professional careers.

ANSWER: **point** guard (or **one**)

[e] This player for the Golden State Warriors is considered to be one of the best point guards of all time. He and Klay Thompson are known as the “Splash Brothers” for their prolific shooting.

ANSWER: Steph **Curry**

[h] Yet another legendary point guard was this former Utah Jazz from 1984 to 2003, who holds the NBA records for most career assists and steals by considerable margins.

ANSWER: John **Stockton**

<Suh, Trash>

17. Like taste, this sense is mediated by chemoreception. For 10 points each:

[e] Name this sense that is transmitted directly to the cerebrum by the first cranial nerve, which bypasses the thalamus. This sense involves the antennae in arthropods and the nose in vertebrates.

ANSWER: **olfaction** (or **smell**; accept word forms)

[h] When an odorant reaches an olfactory receptor, G<sub>olf</sub> [“**golf**”], which is a member of this family of proteins, hydrolyzes GTP. Proteins in this family are often coupled to a namesake class of receptors.

ANSWER: heterotrimeric **G protein** (accept **guanine nucleotide-binding protein**; accept **GTPase**; prompt on **GPCR**)

[m] Activation of G<sub>olf</sub> leads to the production of cAMP and influx of this cation [“**CAT-eye-on**”] and sodium ions. In muscle cells, this cation is stored in the sarcoplasmic reticulum.

ANSWER: **calcium** ion (or **Ca<sup>2+</sup>**)

<K. Li, Biology>

18. In a poem titled “Details for [this place],” the speaker affirms his “implicit faith in the Boy Scouts” and spots a boy who “gets paid for distributing circulars” and “throws it down the sewer.” For 10 points each:

[h] Identify this place. In a five-volume epic titled for this place, this city “lies in the valley under the Passaic Falls” with “its spent waters forming the outline of his back.”

ANSWER: **Paterson**

[e] This author of *Paterson* notes that “so much depends upon” the title object in “The Red Wheelbarrow.” He also wrote “This is Just to Say,” in which the speaker confesses to “eat[ing] the plums that were in the icebox.”

ANSWER: William Carlos **Williams**

[m] In another poem, Williams describes how this event occurs “unsignificantly off the coast.” In W. H. Auden’s “Musée des Beaux Arts,” [“**moo-zay day bo zar**”] “everything turns away / Quite leisurely from [the aftermath of this event].”

ANSWER: the **fall** of **Icarus** (accept any answer indicating **Icarus falling** from the sky or **dying** or **drowning**; prompt on **fall** by asking “Who fell?”; prompt on **Icarus** by asking “What happened to him?”)

<R. Li, American Literature>

19. For 10 points each, answer the following about places named after the same person.

[e] The largest lake in Africa by volume is named after this British monarch; a nearby lake is named after her husband, Prince Albert.

ANSWER: Queen **Victoria**

[m] Queen Victoria is also the namesake of two states in this country. One of those states contains the Cape York peninsula, and the other shares an 85-meter land border with the island state to its south.

ANSWER: Commonwealth of **Australia** [*Writer's note*: Victoria shares Tasmania's only land border on Boundary Islet, in the Bass Strait.]

[h] Queen Victoria also inspired the names of two capitals of Canadian Provinces: Victoria, in British Columbia, and the capital of *this* prairie province. This is the only Canadian province with no natural border.

ANSWER: **Saskatchewan** [*Writer's note*: the capital is Regina, which is Latin for "Queen."]

<CGH, Geography>

20. This five-day festival symbolizes the triumph of good over evil. For 10 points each:

[e] Name this primarily Hindu autumn holiday known as the festival of lights.

ANSWER: **Diwali** (or **Deepavali**; or **Dipavali**)

[h] On the third and most important day of Diwali, prayers called *puja* ["**POO-jah**"] are offered to this Hindu goddess of wealth and prosperity. This member of the Tridevi is the wife of Vishnu.

ANSWER: **Lakshmi** (or **Laxmi**; accept **Sri** or **Thirumagal**)

[m] On the final day of Diwali, sisters may celebrate their bond with their brothers by marking three lines called a tilaka on the forehead. Some Hindus and Jains wear *this* different type of marking on their forehead, consisting of a red dot.

ANSWER: **bindi**

<Duffy, Religion>

21. In a novel by this author, a ruler attempts to build the skyscraper Marching to Heaven in the Free Republic of Aburria. For 10 points each:

[h] Name this author who wrote about a character who led a hunger strike at Rira camp that secretly betrayed the killer of District Officer Robson to the British in another novel.

ANSWER: **Ngũgĩ** ["**n-GOO-ghee**"] wa Thiong'o (or James **Ngugi**; prompt on **Thiong'o**)

[m] Ngũgĩ is an author from Kenya, the setting of a memoir by this author about living on a coffee plantation. Ngũgĩ called that book, *Out of Africa*, "one of the most dangerous books ever written about Africa."

ANSWER: Karen **Blixen** (or Isak **Dinesen**)

[e] Ngũgĩ's essay collection *Decolonizing the Mind* discusses the "politics" of using the English language, just as this British author did in "Politics and the English Language." He also wrote *1984*.

ANSWER: George **Orwell** (or Eric Arthur **Blair**)

<Yue, World Literature>