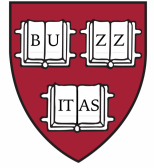


Harvard Fall Tournament XIV

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Packet 7

Tossups

1. *Two answers required.* These *two countries* engaged in the “Battle of the Beams” involving radio technology. A monarch of one of *these two countries* said that the people of the *other country* were as “mad as March hares.” A monarch of one of these two countries who was suspected of being sympathetic to the other country abdicated to marry a two-time American divorcée. One of these two countries planned to (*) invade the other in Operation Sea-lion. The capital of one of these two countries was heavily bombed by the other’s *Luftwaffe* air force in The Blitz. For 10 points, name these two countries once led by Winston Churchill and Adolf Hitler.

ANSWER: United Kingdom AND Germany (accept Anglo or Great Britain or their word forms for the United Kingdom; prompt on England for the United Kingdom with “Be more specific with your first [or second] answer.”)
<Suh, British History>

2. In one form of this process, shugoshin helps prevent the degradation of cohesin by separase. Degradation of cyclin B is necessary for this process to start. This process begins with the ubiquitination of securin by a namesake “promoting complex.” During this process, microtubules extend and attach to (*) kinetochores [“kih-NET-tuh-cores”], and motor proteins and the depolymerization of spindle fibers pull centromeres away from each other and toward centrosomes. This process occurs after chromosomes line up in the middle of the cell. Chromosomes separate during, for 10 points, what stage of cellular division between metaphase and telophase?

ANSWER: anaphase (accept anaphase I; prompt on cellular division, mitosis, or meiosis before “start”; do NOT accept or prompt on “anaphase II”)

<Duffy, Biology>

3. The speaker of a poem from this country laments “sons... buried amid the grass” in a poem whose title vehicles “rumble and roll.” The speaker of another poem from this country describes an “odd, inanimate feast” and hopes to meet two of his friends again “on the cloudy river of the sky.” In another poem by the same poet from this country, the speaker ponders frost on the ground and (*) the moonlight before his bed and then thinks about his home village. A poet from this country wrote “Song of the Wagons,” while another wrote “Quiet Night Thought” and “Drinking Alone by Moonlight.” For 10 points, name this country home to Du Fu and Li Bai.

ANSWER: China (or Zhongguo)

<Gioia, World Literature>

4. Structures similar to these things may also exist near Rhea. A theory for the formation of these structures is that they originated from another object called Veritas that had surpassed the Roche ["ROASH"] limit.

"Gaps" and "divisions" within these structures include ones named for Maxwell and Encke ["EN-kee"]. The shepherd (*) moon Prometheus helps keep some of these structures in place. Galileo Galilei, who discovered these structures, called them "ears," while Christian Huygens ["HOY-genz"] determined the shape of these structures. For 10 points, name these structures mostly composed of ice orbiting the second largest planet in the Solar System.

ANSWER: rings of Saturn (or Saturn's rings; prompt on just planetary rings)

<Suh, Astronomy>

5. A political coalition named for this good used the slogan "16 to 1" and dubbed a law regulating this commodity as the "Crime of '73." The "Grand Bland Plan" that required the federal government to purchase a certain amount of this commodity was enacted in 1878 after Congress overrode Rutherford B. Hayes's veto. Senator Henry M. Teller created a political (*) party as part of a "Free" movement in support of this commodity. The first major discovery of this commodity in the United States was by Henry Comstock in Nevada in 1858. For 10 points, bimetalism refers to a monetary standard based on gold and what other shiny metal?

ANSWER: silver (accept Free Silver) [Writer's note: The first legislation refers to the Coinage Act of 1873, and the second is the Bland-Allison Act.]

<Suh, American History>

6. This poem asks if "Honour's voice [can] provoke the silent dust," and describes hands "that the rod of empire might have sway'd, / Or wak'd to ecstasy the living lyre." This poem discusses "A youth to Fortune and to Fame unknown" after quoting "some hoary-headed swain." This poem claims that "the paths of (*) glory lead but to the grave." "Far from the madding crowd's ignoble strife," people like "some Cromwell guiltless of his country's blood" and "some mute inglorious Milton" may be in the title location of this poem, which begins, "The curfew tolls the knell of parting day." For 10 points, name this Thomas Gray poem set in a cemetery.

ANSWER: "Elegy Written in a Country Churchyard"

<Yue, British Literature>

7. A type of this practice known as phowa ["POH-ah"] is performed at the time of death. Other types of this practice emphasize cultivating equanimity, empathetic joy, compassion, and loving-kindness. The Satipatthana Sutta ["SUH-tee-pa-TAH-nah SUH-tuh"] teaches how to perform the *vipassana* form of this practice. The Abhaya ["ah-BUY-yah"] and Dhyana ["dee-AHN-ah"] mudras are common in this practice, which can be performed while creating (*) mandalas or chanting mantras. Dogen promoted *zazen*, which is a seated form of this practice often paired with mindfulness and breath counting. For 10 points, name this mental exercise which Buddha performed under the Bodhi tree to gain enlightenment.

ANSWER: Buddhist meditation (accept *vipassana* until mention; prompt on mindfulness before mention; prompt on answers that mention becoming enlightened before the end)

<Duffy, Religion>

8. Erwin Panofsky claimed that the inclusion of one of these objects surrounded by scenes from the Passion in a painting was necessary for that painting to fulfill its purpose as legal documentation. A painting named for one of these objects contains a feminine central figure and has a foreground that is dominated by a large, elongated hand holding a paintbrush. That circular painting by (*) Parmigianino functions as a self-portrait. In another painting, one of these objects is seen in the back below the chandelier and between the central couple. The title figures are reflected in, for 10 points, what object in Jan ["YON"] Van Eyck's *Arnolfini Wedding*?

ANSWER: convex mirrors

<Gioia, Painting>

9. **The derivative of one of these quantities features in the equations given by the Lindemann–Hinshelwood mechanism. When this value for the substrate is high, the Michaelis–Menten equation becomes independent of this value. In the steady-state approximation for chemical kinetics, the derivative of this quantity is set to (*) zero.** For zeroth- and second-order reactions, but not first-order ones, the half-life of the reaction depends on this quantity. A method to determine the rate law of a reaction involves varying this value and measuring how the initial reaction rate changes. For 10 points, name this quantity that is commonly given in units of moles per liter.

ANSWER: concentration (accept initial or starting concentration; accept molarity)

<K. Li, Chemistry>

10. **This location is discussed in the essay collection *The Drowned and the Saved*, as well as in a book containing the chapters “The Canto of Ulysses” and “The Story of Ten Days.” This location is the most notable setting of Imre Kertesz’s [“IM-reh cur-TEZ”] *Fatelessness*, as well as a work in which a character asserts that “God...is hanging here on this gallows.” That character repeats that (*) “never shall I forget” this place, the setting of several Primo Levi works. Moshe the Beadle’s warnings are ignored at the beginning of a work primarily set in this location with sequels titled *Dawn* and *Day*.** For 10 points, name this setting of Elie Wiesel’s *Night*, a Nazi concentration camp.

ANSWER: Auschwitz–Birkenau (accept either underlined answer; prompt on a Nazi concentration camp or death camp or equivalent description before mention; accept Monowitz, Buna, and Buchenwald)

<Yue, European Literature>

11. **During the tenure of a Prime Minister with this surname, George Fernandes was arrested for allegedly smuggling dynamite. Another politician with this surname said, “When a big tree falls, the earth shakes” after his mother’s death. A politician with this married surname launched a raid against a temple in Amritsar in Operation (*) Blue Star. The Emergency and the Smiling Buddha nuclear tests occurred under that Prime Minister with this surname. An activist with this surname organized the Salt March in an act of civil disobedience against Britain.** For 10 points, give this surname shared by Indira and a man known by the honorific “Mahatma.”

ANSWER: Gandhi (accept Rajiv Gandhi, Indira Gandhi, Mohandas Gandhi, or Mahatma Gandhi)

<Suh, World History>

12. **This deity’s grandson married the princess of flowers instead of the princess of rocks. This deity was angered by a sibling who killed a vomiting goddess of food. During a competition, this deity used a sword to create three new deities, but a rival used a necklace to produce five new deities. Promiscuous (*) dancing was used to lure this goddess out of a cave, which this goddess entered after her brother hurled a flayed pony at her loom. A shrine dedicated to this goddess is rebuilt every twenty years. This goddess’ brother is Susanoo [“SOO-sah-NOH-oh”], and her descendants rule Japan.** For 10 points, name this Shinto kami of the sun.

ANSWER: Amaterasu-omikami (or Ohirume-no-muchi-no-kami)

<Duffy, Mythology>

13. **A real-life stand-in for this location is depicted in a photo by John Kosh set just before sunset in Beverly Hills. People in this location “stab...with their steely knives” in an attempt to “kill the beast,” and a narrator remarks that in this location, “some dance to remember, / some dance to forget.” A Captain in this location notes that “we haven’t had [the narrator’s] (*) spirit here since 1969.” A night man here tells the narrator that “You can check out any time you like, / But you can never leave!”** For 10 points, name this “lovely place,” an establishment near “a dark desert highway” that titles the Eagles’ most well-known single.

ANSWER: the Hotel California (prompt on just a hotel)

<Yue, Trash>

14. In this play, an Elizabeth Browning sonnet is found to be inscribed on a silver cigarette case. At an awkward birthday dinner in this play, a character tells a story about a parrot to a man she often refers to as a “Polack.” In this play, a man accuses a woman of staying in the *Flamingo* after hearing how her husband Allen (*) Gray killed himself following a homosexual affair. Mitch courts a character who fondly remembers Shep Huntleigh in this play. That character says that she has “always depended on the kindness of strangers” after being raped by Stanley Kowalski. For 10 points, name this play about Blanche DuBois, written by Tennessee Williams.

ANSWER: A Streetcar Named Desire

<Yue, American Literature>

15. A treatise “to assist amateur players” of these works titled for the *School of [them]* describes their effect as “weird and intoxicating.” These works often had ABACD forms and instructions from a composer not to play them too fast. One of these works depicts “brokers forget[ting] their cares,” while another instructs a pianist to stamp his or her feet. John Stillwell Stark published these works by the composer of the concert waltz (*) “Bethena,” some of which were named after “Easy Winners,” “Elite Syncopations,” and Sedalia, Missouri’s Maple Leaf Club. For 10 points, name these heavily syncopated works notably written by Scott Joplin before the rise of jazz.

ANSWER: rags (accept rags by Scott Joplin; accept ragtime; prompt on works by Scott Joplin)

<Yue, Jazz>

16. The aftermath of the MTR shutdown in this place was widely compared to the evacuation at Dunkirk. A Confederation of Trade Unions and political group Demosistō have staged multiple sit-ins outside this place’s Legislative Council. The Do Not Split praxis was employed in this city, as well as a black bloc method which used (*) laser pointers to disable security cameras. Protestors in this site of the 2014 Umbrella Movement have called for the removal of Chief Executive Carrie Lam. For 10 points, name this special administrative region where suspected Triad gangs and Pro-Beijing forces have clashed with participants in protests against an extradition bill.

ANSWER: Hong Kong (or Xiang Gang; or Hong Kong Special Administrative Region of the People’s Republic of China)

<Huang, Current Events>

17. In 2019, light beams were generated possessing the “self” form of this quantity. It’s not voltage, but motors have “pull-in” and “breakdown” values of this quantity, which is symbolized “M” in Euler’s [“ OY-lurs ”] equations for rigid bodies. This quantity is the product of current, area, and magnetic field for a current-carrying loop. Work is given by this quantity integrated over theta. This quantity acts perpendicular to (*) angular momentum when it causes precession. This quantity is the product of moment of inertia and angular acceleration, or the cross product of lever arm and force. For 10 points, name this rotational analogue of force symbolized *tau*.

ANSWER: torque

<Yue, Physics>

18. This composer wrote a toccata opening with fast D’s played by alternating hands. He used Kabardian themes for his second string quartet in F major, and revised his cello concerto into a virtuosic *Sinfonia Concertante*. This composer wrote a cantata with movements like “The Crusaders in Pskov [“ pss-kawf ”],” and his first symphony features a “Gavotte” that imitates the style of (*) Haydn. This composer of the “Classical” Symphony depicted a “Battle on the Ice” in his cantata *Alexander Nevsky*, as well as a “Dance of the Knights” in his ballet *Romeo and Juliet*. For 10 points, name this Russian composer of the *Lieutenant Kije* suite and *Peter and the Wolf*.

ANSWER: Sergei Prokofiev

<Yue, Music>

19. **One of these structures in Rome was preserved by being incorporated into the Aurelian walls. That one of these structures was dedicated to Gaius Cestius. Giuseppe Ferlini destroyed over 40 of these structures with explosives, including one belonging to a Kandake [“con-DA-kay”] of Meroë [“marrow-ay”]. Notable “Red” and (*) “Bent” structures of this type were built by a king known to Manetho as Soris, but more commonly known as Sneferu. Imhotep was likely the architect of a “Step” one of these structures built on the orders of the pharaoh Djoser. For 10 points, what type of structure in Giza is the only surviving wonder of the ancient world?**

ANSWER: pyramids (accept step pyramids; prompt on tombs)

<CGH, Ancient History>

20. **This man wrote that “de-severance,” or bringing-close, characterizes the existential “spatiality” of one of his central concepts. In an essay, this thinker contrasted a hydroelectric plant on the Rhine and a poetic description of it. This thinker wrote of life as being “thrown” into the world in a work which contrasted the states of “present-at-hand” and “ready-at-hand” with the example of a hammer. This thinker wrote *The* (*) *Question Concerning Technology* after his “turn,” and before it he wrote a book that introduces the idea of “there-being,” or *dasein* [“DAH-zyne”]. For 10 points, name this Nazi-sympathizing German philosopher who wrote *Being and Time*.**

ANSWER: Martin Heidegger

<Yue, Philosophy>

21. **In this city, Blum’s Delicatessen is robbed by a character who later takes two characters to Charlie’s Chicken Shack. Saul Bellow began *The Adventures of Augie March* with the line, “I am an American, [this city]-born.” The narrator of *Black Boy* joins this city’s Communist Party, and in a novel, Jack Duane is imprisoned in this city. Phil (*) Connor is attacked in this city after raping Ona in one novel, and Mary Dalton is killed in this city in Richard Wright’s *Native Son*. Jurgis Rudkis works in this city’s meatpacking industry in Upton Sinclair’s *The Jungle*. For 10 points, name this subject of a notable Carl Sandburg poem, an Illinois city.**

ANSWER: Chicago

<Yue, American Literature>

Bonuses

1. A bartender exclaims “Poor Jimmy’s off on [one of these specific entities] again” after Jimmy’s delusional musings about leveraging his relationship with Dick Trumbull to regain his job at the publicity department. For 10 points each:

[h] Name the specific phrase for these entities. These specific things are exemplified by Joe Mott’s reminiscences about opening his own gambling house and two Boer War veterans’ desires to return to South Africa.

ANSWER: **pipe dreams** (prompt on dreams by asking “What kind?”)

[e] This author described the alcoholic denizens of Harry Hope’s saloon and their “pipe dreams” in *The Iceman Cometh*. This author portrays a single day in the lives of the Tyrone family in his *Long Day’s Journey into Night*.

ANSWER: Eugene **O’Neill**

[m] It’s not arthritis, but Mary Tyrone notably suffers from this condition. Mrs. Dubose battles this condition by having Jem and Scout read to her in Harper Lee’s *To Kill a Mockingbird*.

ANSWER: morphine **addiction**

<R. Li, American Literature>

2. The Friedmann equations relate this cosmological parameter to density parameters and the scale factor. For 10 points each:

[m] Give this cosmological parameter, which is squared in the formula for critical density. This parameter is the normalized time derivative of the scale factor and represents the rate of expansion of the universe.

ANSWER: **Hubble** parameter (or **Hubble** constant; accept **Hubble**’s parameter or constant)

[h] The largest of the density parameters corresponds to this concept, which is hypothesized to cause the expansion of the universe to accelerate. The cosmological constant is one proposed form of this invisible concept.

ANSWER: **dark energy** (do NOT accept or prompt on “dark matter”)

[e] The second largest of the density parameters corresponds to this concept, which is mostly caused by dark matter in the universe. This intrinsic property is divided by volume to find the most common type of density.

ANSWER: **mass**

<K. Li, Astronomy>

3. According to the *Bibliotheca*, the women of this island were afflicted with a terrible smell after Aphrodite cursed its inhabitants for neglecting her shrines. For 10 points each:

[h] Name this island once ruled by Hipsipyle [“hip-SIP-uh-lee”]. The Sintians took care of a god who spent his childhood on this island.

ANSWER: **Lemnos**

[e] According to some accounts, this god of metallurgy, the Greek equivalent of Vulcan, fell from Olympus onto Lemnos and established his forge there.

ANSWER: **Hephaestus**

[m] Erichthonius, the offspring of Hephaestus and Gaia, invented the *quadriga*, a type of these objects. Salmoneus attached torches to one of these objects in an effort to be worshiped like Zeus.

ANSWER: **chariots**

<Suh, Mythology>

4. Adverse events during this man's administration include the Three Mile Island nuclear accident and Iran hostage crisis. For 10 points each:

[e] Name this president who spoke about a "crisis of confidence" in his "malaise" speech. This peanut farmer also served as the 76th Governor of Georgia and left the White House after losing the 1980 election to Ronald Reagan.

ANSWER: Jimmy **Carter**

[m] Carter's presidency was marred by the effects of this economic phenomenon. UK Chancellor of the Exchequer Iain Macleod coined its name as a portmanteau of two economic phenomena that usually do not occur concurrently.

ANSWER: **stagflation** (I guess prompt on stagnation or inflation)

[h] This Fed chairman under Carter and Reagan was credited with combatting the high inflation of the 1970s and 1980s. This man's namesake "rule" seeks to discourage banks from making certain types of speculative investments.

ANSWER: Paul **Volcker** (accept **Volcker** rule)

<Suh, American History>

5. At the beginning of a play, this speech is given by a character who describes himself as "rudely stamp'd," and describes how "grim-visaged war... capers nimbly in a lady's chamber." For 10 points each:

[m] Name this speech, in which the speaker asserts that he is "determined to prove a villain" and notes that a certain metaphorical time is "made glorious summer by this sun of York."

ANSWER: the "Now is the **winter of our discontent**" speech (accept but DO NOT REVEAL the **beginning** of Act I of **Richard III** or equivalents)

[e] The title king begins this Shakespeare play with the "Now is the winter of our discontent" speech. At the end of this play, he shouts "a horse, a horse, my kingdom for a horse" at the Battle of Bosworth Field.

ANSWER: **Richard III**

[h] This Shakespeare character from another play asks "dear friends" to perform a certain action "or close the wall up with our English dead." Another speech by him encourages "we happy few" to fight on a certain day.

ANSWER: **Henry V** (prompt on just King **Henry**)

<Yue, British Literature>

6. For 10 points each, answer questions about substance P, a member of the tachykinin ["TAH-kee-KYE-nin"] family.

[h] Substance P is a peptide example of these compounds as are orexins and *beta*-endorphin. These endogenous chemicals are the subject of Dale's principle.

ANSWER: **neurotransmitter** (accept **neuropeptide**; prompt on hormone; prompt on peptide)

[e] Substance P is important in the perception of this distressing sensation. This sensation can be managed with acetaminophen and opioids.

ANSWER: **pain** (accept **nociception**, **nocioception**, or **nociperception**)

[m] Like pain, this sensation, which is sensed through puritative nociceptors, can be mediated through substance P, though it is more commonly induced by histamine. Topical hydrocortisone creams can control this sensation.

ANSWER: **itching**

<K. Li, Biology>

7. For 10 points each, answer the following history bonus somewhat related to soccer, your head editor's favorite sport.

[h] FIFA ["fee-fah"] recognizes a traditional East Asian game called *cuju* ["cu-jee-oh"] as the oldest predecessor of the sport. One avid player of *cuju* was Zhao Kuangyin, the founder of this Chinese dynasty that lost the Battle of Yamen.

ANSWER: Song dynasty

[m] Courts for this widespread ritualistic game have been found throughout the Americas, whose modern version is called *ulama*. Players of this game probably used their hips, though some may have also used rackets or bats.

ANSWER: Mesoamerican ballgame

[e] According to rumors, this Italian dictator sent the telegram "*Vincere o morire!*" meaning "Win or die!" to the Italian team competing in the 1938 World Cup. It must have worked, as Italy won the tournament.

ANSWER: Benito Mussolini

<Suh, World History>

8. In this card game, players who "go alone" can win more points. For 10 points each:

[h] Name this game in which players can choose a trump suit from a set of cards called the kitty. This game doesn't use cards numbered two through eight, and a team must win at least three out of five tricks to gain points.

ANSWER: euchre ["YOU-kurr"]

[e] This other trick-taking card game starts with the two of clubs being played. In this game, players avoid picking up cards of the namesake suit and the queen of spades, which carries a thirteen-point penalty.

ANSWER: hearts

[m] In the most well-known variant of this card game, Klondike, cards can only be placed by alternating color and in descending order. The goal of this one-player game is to order cards in ascending order by suit.

ANSWER: solitaire

<K. Li, Trash>

9. This director produced the propaganda series *Why We Fight* during World War II. For 10 points each:

[h] Name this director better known for directing *It's a Wonderful Life*, which initially performed poorly at the box office, unlike his pre-war films like *Mr. Smith Goes to Washington*.

ANSWER: Frank Capra

[e] Capra's *It Happened One Night* formed much of the modern blueprint for films of this genre. In that film, Clark Gable and Claudette Colbert's characters fall in love after several "meet cutes" despite their opposing personalities.

ANSWER: romantic comedy (prompt on partial answer)

[m] Jimmy Stewart, the star of both *It's a Wonderful Life* and *Mr. Smith Goes to Washington*, also served as the leading man for this other director's arguably greatest films *Rear Window* and *Vertigo*.

ANSWER: Alfred Hitchcock

<Yue, Film>

10. Cod has played a surprisingly large role in the history of Britain. For 10 points each:

[e] The UK lost a series of territorial disputes known as “Cod Wars” to Iceland, mainly because Iceland is strategically located in the GIUK gap, a naval choke point between Iceland, the UK, and this large Danish landmass.

ANSWER: **Greenland**

[m] During the reign of this monarch, William Pitt the Elder called cod “British gold.” Britain experienced the “Regency era” near the end of this ruler’s life.

ANSWER: **George III** (prompt on George)

[h] In this 1904 agreement between the United Kingdom and France, France agreed to give up claims to the cod fisheries in Newfoundland. This agreement greatly improved Anglo–French relations on the eve of World War I.

ANSWER: **Entente Cordiale** [“ahn-TAHNT cor-dee-ALL”]

<Suh, British History>

11. For 10 points each, answer some questions about colloids.

[e] Colloids are often contrasted with this other type of homogeneous mixture. These mixtures can be unsaturated, saturated, or supersaturated based on the amount of solute dissolved in the solvent.

ANSWER: **solutions**

[m] These colloids consist of liquid droplets dispersed within gas. CFCs were used as propellants for making these colloids.

ANSWER: **aerosols**

[h] This type of scattering that is more general than Rayleigh and Tyndall scattering explains how aerosols reduce visibility in urban areas. Mathematically, this type of scattering assumes that colloidal particles are spherical.

ANSWER: **Mie** [“mee”] scattering

<Yue, Chemistry>

12. For 10 points each, answer the following about countries with hard-to-pronounce and relatively obscure capital cities.

[m] Sri Jayawardenepura Kotte [“shree jah-yah-war-de-NEH-pu-rah COAT-tee”] is the official and administrative capital of this South Asian island nation, although its largest city and de facto capital is Colombo.

ANSWER: **Sri Lanka** (or **Ceylon**; accept **Ilaṅkai**)

[e] Bloemfontein is the judicial capital of this nation south of Zimbabwe. Its other two capitals are Pretoria and Cape Town, but its largest city is Johannesburg.

ANSWER: Republic of **South Africa**

[h] The planned city of Ngerulmud [“nuh-RUL-mud”] is the official capital of this Pacific island nation at the western end of Micronesia; the capital was moved there in 2006 from the nation’s largest city, Koror.

ANSWER: Republic of **Palau**

<CGH, Geography>

13. Answer some questions about essays in Susan Sontag’s collection *Against Interpretation*, for 10 points each:

[h] Identify this concept defined as something that is “good because it’s awful,” discussed by Sontag in her essay titled “Notes on [this concept].” That essay consists of 58 theses about things like “old Flash Gordon comics.”

ANSWER: **camp**

[e] Along with Marxism, Sontag’s essay “Against Interpretation” deems a school of thinking named for this man “aggressive and impious.” This psychologist discussed manifest and latent content in *The Interpretation of Dreams*.

ANSWER: Sigmund **Freud**

[m] “Against Interpretation” ends by asserting that “in place of a hermeneutics we need an erotics of [this general discipline].” The philosophical field of aesthetics studies this general discipline.

ANSWER: **art** (anti-prompt [ask for less specific] on poetry, music, painting, or other specifications)

<Yue, Philosophy>

14. A bronze sculpture whose title ends with these two words depicts a deconstructed glass bottle and illustrates its artist's concept of "dynamism." For 10 points each:

[h] Give these two words that also end the title of a sculpture resembling the *Winged Victory of Samothrace* ["SAM-oh-THRASE"] that was supposedly inspired by the movement of a soccer player.

ANSWER: "**in Space**" (accept *Development of a Bottle in Space*; accept *Unique Forms of Continuity in Space*)

[m] The sculptor of *Unique Forms of Continuity in Space*, Umberto Boccioni ["BOH-chee-own-ee"], was a member of this Italian art movement that glorified modern technology, violence, and speed.

ANSWER: **Futurism**

[e] The Romanian sculptor Constantin Brâncuși ["brawn-KOOSH"] is best known for his series titled for one of *[these creatures] in Space*. Those bronze and marble sculptures depict these title animals in flight.

ANSWER: **birds**

<Yue, Sculpture>

15. In addition to his three laws of motion, Newton also discovered a universal law of this fundamental force. For 10 points each:

[e] Name this force that is directly proportional to the masses of two interacting bodies. Apocryphally, Newton discovered his law describing this force when an apple fell from a tree onto his head.

ANSWER: **gravity** (accept equivalents such as **gravitational** attraction)

[m] Newton's shell theorem states that a spherically symmetric body behaves like one of these particles at the center of the body. These idealized particles are zero-dimensional, and a line is composed of an infinite amount of them.

ANSWER: **point** mass (or **point** particle)

[h] No calculations required. As a consequence of the shell theorem, the gravitational attraction of a uniform sphere with radius R is greatest at this distance from its center. Give your answer in terms of R . *You have 10 seconds.*

ANSWER: **$1R$** (accept the **surface** of the sphere)

<K. Li, Physics>

16. A poem about being from this place notes that people like Cain "May be refin'd, and join th' angelic train." For 10 points each:

[m] Name this place, the first residence in the title of a Phyllis Wheatley poem beginning "'Twas mercy brought me from my Pagan land."

ANSWER: **Africa**

[e] In the twentieth century, African poets Leopold Senghor and Aimé Césaire responded to African colonialism with poems written in this language. Those poets were part of the *négritude* movement, founded from their time in Paris.

ANSWER: **French**

[h] This Caribbean poet wrote that "the wind is ruffling the tawny pelt of Africa" in his poem on the Mau-Mau uprising titled "A Far Cry from Africa," which ends by asking, "how can I turn from Africa and live?"

ANSWER: Derek Alton **Walcott**

<Yue, World Literature>

17. This piece is often paired with a contrasting “Tragic Overture.” For 10 points each:

[h] Name this orchestral work, a “boisterous potpourri [“poh-poo-RHEE”] of student drinking songs” that quotes songs like “Landesvater” and “Gaudeamus igitur” [“GAO-dee-AH-muss EE-ghee-TURR”]. It was written to thank the University of Breslau for an honorary degree.

ANSWER: Academic Festival Overture

[m] This non-Brahms Italian composer depicted circuses and the Jubilee in his *Roman Festivals*, the third part of his “Roman trilogy” which includes *Fountains of Rome* and *Pines of Rome*.

ANSWER: Ottorino Respighi

[e] Shostakovich wrote his popular “Festive Overture” shortly after the death of this Soviet dictator, whose criticism of Shostakovich’s “formalism” plagued Shostakovich throughout his life.

ANSWER: Joseph Stalin (or Joseph Jughashvili)

<Yue, Music>

18. The “best” form of this practice is “the word of Justice in front of the oppressive sultan,” according to one prophet. For 10 points each:

[m] Give this word that most literally means “struggle.” The “greater” form of this practice is self-directed, while its “lesser” counterpart can be done in two different ways.

ANSWER: jihad

[e] The concept of *jihad* is discussed in the ninth surah of this holy book of Islam.

ANSWER: Quran

[h] This controversial verse in the ninth surah of the Quran has been used by critics of Islam to suggest that the faith promotes violence against unbelievers.

ANSWER: Sword Verse (or answers indicating that it is the fifth verse)

<Suh, Religion>

19. In one story, characters travel to the Zinc Cliffs to collect this entity’s milk. For 10 points each:

[h] Name this entity that titles a short story in which the narrator falls in love with Captain Vhd Vhd’s [“vid vid”] wife, who loves the narrator’s deaf cousin instead.

ANSWER: the Moon

[e] “The Distance of the Moon” was written by Italo Calvino, whose novel *If on a Winter’s Night a Traveler* is written in this unusual narrative mode. In that novel, you, the protagonist, fall in love with Ludmilla.

ANSWER: second-person narration

[m] In this Italo Calvino novel, places like Diomira and Isidora are described by Marco Polo to Kublai Khan. The title places of this novel are divided into “Thin,” “Trading,” “Continuous,” and “Hidden” ones.

ANSWER: Invisible Cities (or *Le città invisibili*)

<Yue, European Literature>

20. An important administrative title within the government of this civilization can be translated as the “chief of the wine stewards.” For 10 points each:

[m] Identify this ancient Anatolian civilization that fought the Egyptians at the Battle of Kadesh.

ANSWER: Hittites (or the Hittite Empire)

[e] The Hittites were based in this modern-day country. Archaeological sites in this modern-day country include Troy, Göbekli Tepe [“go-BECK-lee TEH-pay”], and many sites near Istanbul.

ANSWER: Turkey

[h] Hittite records mention another civilization to the west known as *Ahhiyawa*, which is thought to refer to this ancient Greek civilization known for creating beehive-shaped *tholos* tombs and the Mask of Agamemnon.

ANSWER: Mycenaean civilization

<Suh, Ancient History>

21. For 10 points each, answer some questions about the discovery of different parts of the electromagnetic spectrum.

[e] Ultraviolet light was discovered by Johann Ritter when he observed invisible rays acting upon the silver salt of this element. This element is found along with sodium in table salt.

ANSWER: **chlorine** (accept **Cl**)

[h] This scientist discovered infrared radiation when he observed a thermometer being heated by rays beyond the red end of the spectrum. This scientist was one of the first to incorporate spectroscopy into astronomy.

ANSWER: William **Herschel**

[m] The first radio waves were produced by this scientist who also discovered the photoelectric effect. This scientist names the SI unit of frequency.

ANSWER: Heinrich **Hertz**

<K. Li, Physics>