

## Western Invitational Tournament 2013

Packet by Mike Bentley, Ted Gioia, Andrew Hunter, and Alejandro Lopez-Lago

### Tossups

1. This author wrote about a clerical apprentice, who tells the story of Peter the Apostle's denial of Christ to two widows he meets while walking home on Good Friday. The title character of another story becomes absorbed in the professions of her three lovers— a theater manager, a lumberyard manager, and a veterinarian. This author of "The Student" is better known for a story whose main character pursues his married lover to a performance of *The Geisha*. This author of "The (\*) Darling" wrote a story in which Anna Sergeyevna meets Dmitri Gurov in Yalta and a play in which Madame Ranevskaya sells her estate to Lopakhin. For 10 points, name this Russian author who wrote "The Lady with a Dog" and *The Cherry Orchard*.

ANSWER: Anton Chekhov

2. David E. Bernstein has written a book on "rehabilitating" this case. Precedence for the law at the center of this case came from reporting by Edward Marshall. Some justices held that it was effectively overturned in *Bunting v. Oregon*. Lawyers Frank H. Field and Henry Weissmann argued that the legislation in question in this case did not meet the burden of protecting the (\*) public health. In this case, Justice Rufus Peckham argued that the Fourteenth Amendment provided an implicit "liberty of contract," leading Oliver Wendell Holmes to protest in his dissent that "the Fourteenth Amendment does not enact Mr. Herbert Spencer's *Social Statics*." For 10 points, name this 1905 Supreme Court case that overturned a law limiting the working hours of bakers in New York.

ANSWER: Lochner v. New York [accept in either order]

3. Edwin Salpeter confirmed the discovery of the first of these objects to be identified. Daily variation by at least one order of magnitude is demonstrated in the optically violent variable type of these objects. One of these appears as four distinct objects, called the (\*) Einstein Cross. The oldest known one of these objects was formed during the universe's structure formation stage. The first of these objects to be discovered was located in the constellation Virgo and was notable for its high redshift. These objects are powered by the gravitational accretion in supermassive black holes. For 10 points, name these very bright and very distant radio sources.

ANSWER: Quasars [or Quasi-Stellar Radio Sources; prompt on active galactic nuclei or AGN]

4. The *Iliad* describes how this man's daughter Laoamia "was slain by the golden-rein'd Artemis wrathful." He was once tasked with defeating the Solymi. He completed one objective after his prey left the Hippocrene spring and spent a night in the Temple of Athena, where he found a golden bridle. One creature killed by this man died after it breathed (\*) fire onto the lead-tipped spear this man had forced down its throat. After this father of Hippolchus and grandfather of Glaucon was accused of raping the wife of King Proetus, he was sent to the court of King Iobates to be killed. A gadfly sent by Zeus caused him to plummet to earth when he tried to ascend Mount Olympus. For 10 points, name this Greek hero who tamed Pegasus and defeated the Chimera.

ANSWER: Bellerophon [or Bellerophontes]

5. The last movement of one of this composer's works juxtaposes staccato arpeggios played on the left hand with flowing melodies played on the right and tries to evoke the archaic sound of the clavecin in its "menuet" movement that is not written in the traditional "minuet and trio" form. "Promenade Sentimentale" was the original name of a movement of a suite by this composer, which ends with a (\*) "passepied" fourth movement. One of his pieces features an opening flute solo that descends a tritone below the original note. The third movement of his *Suite Bergamasque* is based on a Verlaine poem whose title translates as "moonlight." For 10 points, name this French, Impressionist composer who wrote *Prelude to the Afternoon of a Faun* and *Clair de lune*.

ANSWER: Achille-Claude Debussy

6. Carleton Watkins published a book of "Photographic Views" from this location in 1863. James Hutchings ran a lodge in this location to help increase its domestic popularity. The Tuolumne Meadows in this place were protected from sheep grazing after it was made a national park. Landmarks in this park include the (\*) Wawona Tree. A tepee is visible in the background of Thomas Hill's depiction of this location's *Bridal Veil Falls*. This national park's highest point is Mount Lyell and its Mariposa Grove contains many giant sequoias. A red filter

was used to capture a white peak in this park in “Monolith” by Ansel Adams. For 10 points, name this California national park, home to the El Capitan and the Half Dome.

ANSWER: Yosemite National Park [accept Yosemite Valley or Yosemite Falls before “Tuolumne Meadows”]

7. At a funeral a grieving father cries out that he is being punished by God for not helping this character when three students die in the collapse of a poorly-constructed fire escape. This character is mocked for ordering orange soda rather than beer at a meeting in Slade’s pool hall. After the narrator discovers this character’s affair, he takes a road-trip where he creates his theory of the (\*) “Great Twitch.” He pressures a historian writing a dissertation on Cass Mastern to investigate the finances of Judge Irwin. When Tiny Duffy reveals this character’s affair with Anne, her brother Dr. Adam Stanton kills him at the State Capitol. For 10 points, name this boss of reporter Jack Burden, a fictionalization of Huey Long from Robert Penn Warren’s *All the King’s Men*.

ANSWER: Willie Stark [accept either]

8. The dependent form of these entities can depend on values and are implemented in the language Coq. For a function, this entity is contravariant in its value for the input. Proving one of these is inhabited is equivalent to proving a tautology, since they correspond to theorems in intuitionistic logic by the (\*) Curry-Howard correspondence. Allowing a function to have different behaviors based on the value of this entity for its argument is called polymorphism. Depending on whether they are checked at compile-time or runtime, a language can be classified as static or dynamic. These entities can be explicitly changed through coercion or their namesake casting. For 10 points, name these classifications of programming constructs such as int and string.

ANSWER: data types

9. This poet concluded, “Two paradises ‘twere in one/To live in Paradise alone” in a stanza about Adam’s life in Eden before Eve from one of his poems. He began one poem, “How vainly men themselves amaze/To win the palm, or oak or bays” and wrote about Thomas Fairfax’s country estate in “Upon Appleton House”. Another poem concerns a figure who “could not cease/in the inglorious arts of peace.” This author of “The (\*) Garden” and “An Horatian Ode upon Cromwell’s Return from Ireland” wrote “My vegetable love should grow/Vaster than empires, and more slow” in a poem in which “Time’s winged chariot hurr[ies] near.” For 10 points, name this metaphysical poet who lamented “had we but world enough, and time” in “To His Coy Mistress.”

ANSWER: Andrew Marvell

10. One character in this story discusses a document from Oxford that includes the phrase “I leave to several futures (not to all)”. Another character takes the 8:50 train to Ashgrove. Fang’s hypothetical reactions to a stranger knocking on his door are discussed by a character who researches a man who sequestered himself in the Pavilion of Limpid Solitude to write a novel in which the word “time” never appears. The narrator of this story learns that his ancestor (\*) Ts’ui Pen wrote an infinite novel meant to be a labyrinth. This story ends when Richard Madden arrests the narrator for killing the sinologist Stephen Albert to convey the location where German troops should bomb. For 10 points, name this story about the traitor Yu Tsun, written by Jorge Luis Borges.

ANSWER: “The Garden of Forking Paths” [or “El Jardín de Senderos Que se Bifurcan”]

11. This artist painted a priest holding his hand to his mouth and pouring oil onto the devil’s lamp in *The Bewitched Man*, one of six works on witchcraft. A large black flag with a smiling mask on it is held by revelers in this artist’s *The Burial of the Sardine*. Another work by him depicts two men standing knee-deep in mud about to hit each other with (\*) clubs. A woman looks away from the viewer and stands next to the elderly Dona Maria Josefa in a group portrait where this artist can be seen in the shadows to the left. This painter of *Charles IV and his Family* depicted a lone man in a white shirt who is about to be shot by a firing squad. For 10 points, name this Spanish artist of the *Black Paintings* and *The Third of May*.

ANSWER: Francisco Jose de Goya y Lucientes

12. This man described a game in which 14 triangles and quadrilaterals could be arranged in 536 different ways to form a square. This man devised a system for counting large numbers in *The Sand Reckoner*, in which he estimated the number of sand grains that could fit in the universe. Gotthold Lessing uncovered a letter in which this man formulated an indeterminate problem asking for the number of (\*) cattle in the herd of the sun god. This man, whose reputed last words were “do not disturb my circles,” devised a gigantic claw and a heat ray consisting of parabolic mirrors to thwart a Roman siege. For 10 points, name this scientist from Syracuse

who proved that a gold crown was impure by testing its density in a bathtub, then yelled “Eureka!”

ANSWER: Archimedes of Syracuse

13. One form of this practice was pioneered by a student of Matsyendranatha named Gorakhnath, who founded a religious order known for wearing large earrings. The Self-Realization Fellowship was one of the first Western schools to emphasize this practice. Along with Nyaya, Vaishesika, Mimamsa, Vedanta and Shankhya, it is one of the six *darshans* in Hinduism. An *ista-devata* is used by practitioners of the (\*) *bhakti* form of this practice. The fifth of the eight stages in this practice is *pratyahara*, which involves intense concentration in preparation for later meditation. The Asana stage in this practice consists of a series of physical exercises. For 10 points, name this Hindu practice, co-opted by white people into a form of exercise.

ANSWER: Yoga [or Yoking; accept bhakti yoga before mention, as well as any other forms that might be given as answers]

14. This man’s decision to abolish the Machine Tractor Stations and transfer their power to the kolkhozes resulted in a severe food shortage. Lazar Kaganovich was one of the leaders of the so-called Anti-Party group that attempted to replace him with his Prime Minister Nikolai Bulganin. This leader attempted to boost agricultural productivity through the (\*) Virgin Lands Campaign. After coming to power, this man gave the “On the Cult of Personality and Its Consequences” oration partially denouncing his predecessor; that oration is more commonly called the “Secret Speech”. He infamously banged his shoe on the table at a UN General Assembly Meeting and ruled during the Cuban Missile Crisis. For 10 points, name this Soviet leader who succeeded Stalin.

ANSWER: Nikita Sergeyevich Khrushchev

15. One of the leads in this film injured her hand when she “lost my temper at myself” and punched a mirror. In another scene from this film, Redford is stabbed in the back with a pair of lefty scissors. Cousin Ben, played by Jason Schwartzman, complains about losing \$75 in nickels while he weds the protagonists of this movie. The two protagonists met after one of them sneaks into the (\*) women’s dressing room during a performance of *Noye’s Fludde*, one of the many references to Benjamin Britten in this film. The male protagonist is an orphan and is eventually adopted by Captain Sharp, played by Bruce Willis. In this film, Jared Gilman plays a twelve-year-old Khaki Scout named Sam Shakusky. For 10 points, name this 2012 film by Wes Anderson.

ANSWER: Moonrise Kingdom

16. This man stated that God existed in the universe’s moral order in an otherwise atheistic tract by F. K. Foberg. Besides writing “On the Grounds of Our Belief in a Divine Government of the Universe,” this man responded to Johann Christoph von Woellner’s *Censorship Edict* in a work defending man’s fundamental rights of liberty. In his best known work, he attacked (\*) dogmatism’s leap from things to representations, instead asserting the idealist statement that “the I posits itself as an I”. He addressed the Enlightenment in *The Characteristics of the Present Age* and his breakthrough work was published on recommendation of Immanuel Kant. For 10 points, name this German philosopher who wrote *An Attempt at a Critique of All Revelation*.

ANSWER: Johann Gottlieb Fichte

17. A mutation in one component involved in this process results in the degeneration of retinal ganglion cells in young adult men in Leber’s hereditary optic neuropathy. An end product of this process is eliminated in brown adipose tissue by the uncoupler thermogenin. Azide, carbon monoxide, and cyanide inhibit enzymes involved in this process. In this process, the (\*) Q cycle is followed by the reduction of cytochrome c, and oxygen is the final acceptor. This process uses 2 molecules of FADH<sub>2</sub> and 10 molecules of NADH and involves four complexes. For 10 points, name this process, part of eukaryotic oxidative phosphorylation, in which negative charge is shuttled across the inner mitochondrial membrane, followed by lots of ATP production.

ANSWER: electron transport chain [accept ETC; prompt on cellular respiration; prompt on oxidative phosphorylation]

18. One thinker with this surname discussed the “pathology of personal rule” in sub-Saharan Africa in *The Spirit of Democracy* and described how the Iraq War failed to spread democracy in *Squandered Victory*. An MIT economist with this surname won the 2010 Nobel by describing a search economy on a hypothetical island with his “coconut model.” Another thinker with this surname argued that the Anasazi, the Greenland Norse, and the (\*) Easter Islanders failed to respond to environmental change in one book and purported to explain

how disease helped Eurasian civilizations conquer others in his magnum opus. For 10 points, give this surname of political scientist Larry, economist Peter, and the author of *Collapse* and *Guns, Germs, and Steel*, geographer Jared. ANSWER: Diamond

19. In the case of *Godden v. Hales*, The Court of the King's Bench allowed this man to dispense power. While serving as Lord High Admiral, this man was blamed for disbanding the fleet before peace had been secured, allowing Michiel de Ruyter to attack at Chatham. Before becoming king, this monarch won a victory at the Battle of Lowestoft in the Second (\*) Anglo-Dutch War. This man had an unpopular second marriage to Mary of Modena and further upset many of subjects by issuing the Declaration of Indulgence, offering a degree of religious toleration. This king was targeted by the unsuccessful Duke of Monmouth's Rebellion before being ousted shortly after the Battle of the Boyne. For 10 points, name this British monarch deposed in the Glorious Revolution.

ANSWER: James II [or James VII of Scotland; or James, Duke of York or James, Duke of Albany; prompt on James]

20. Albert and Ernest, the sons of Frederick IV the Militant, divided their lands in a partition named for this city. Johann Gottsched was a prominent scholar in this city, which contains a granite-faced concrete monument with over 500 steps. It's not in Hungary, but a prominent university in this city was called Karl Marx University during Communist rule and had earlier attracted scholars like Friedrich Schiller. 30,000 troops were (\*) stranded in this city after the only bridge over the Elster River was destroyed; those troops had been defeated here by a combined Prussian and Austrian force led by Prince Schwarzenberg and General Blucher. For 10 points, name this German city in Saxony, where Napoleon was defeated in 1813 at the "Battle of the Nations".

ANSWER: Leipzig

#### Tiebreakers

21. This equation predicts a critical compressibility factor of 0.375 for all substances, which is higher than the actual measured values. Maxwell's equal area rule fixes a defect in this equation where an isotherm describes a physically impossible state with (\*)  $dp/dV$  greater than 0. This equation's inflection point on a P-V diagram corresponds to the critical point. Its attractive term is made temperature-dependent in the Redlich-Kwong equation. This equation assumes that molecules attract and repulse one another and that molecules take up space, which are quantified by the variables  $a$  and  $b$  and are measured for each gas. For 10 points name this equation of state created by a Dutch scientist, an early modification of the ideal gas law.

ANSWER: van der Waals equation of state

22. One story from this period recounts how a king lost a battle after falling hopelessly in love with the famous beauty Xi Shi. Prominent leaders during this period included Duke Huan, who became a *ba*, one of the Five Hegemons. This period ended following the "Age of Reforms" and the assassination of the Count of Zhi, who was the chief minister of the (\*) Jin State. It began when a new kingdom was founded in Luoyang called the Eastern Zhou Dynasty, and it witnessed a flowering of philosophical ideals called the Hundred Schools of Thought. This period gets its name from a chronicle of the Lu state attributed to Confucius. For 10 points, name this period of Chinese history before the Warring States period.

ANSWER: Spring and Autumn Period [or Chunqiu or Ch'un-ch'iu; prompt on Zhou Dynasty before mentioned]

23. In this novel, the owner of the Imperial and West Africa Rubber Company helps one character get lodging on Ducie Street after her house was set to be demolished. Evie's wedding to Percy Cahill is interrupted when the destitute housewife Jacky drunkenly reveals she had been the mistress of Evie's father while on Cyprus years ago. One character hears a "goblin footfall" when listening to (\*) Beethoven's Fifth during a concert that ends when she accidentally takes the wrong umbrella home. At the end of this novel, Helen returns to England, pregnant with Leonard Bast's illegitimate child, but is accepted by her sister Margaret. For 10 points, name this E. M. Forsters novel in which Henry Wilcox ultimately leaves the title estate to the Schlegels.

ANSWER: Howards End

24. The large stomach of one character in this opera blocks a phony architect, from entering the central location; that disguised character earlier asks "War es ein Traum?" about his separation from his

**lover. After foiling an escape attempt, the antagonist of this opera sings the aria, “O! wie will ich triumphieren”. In the opening of its second act, (\*) Blonde declares, “Girls are not goods to be given away, I’m an Englishwoman, born to freedom”. The lead female role sings that she will never submit to the antagonist in its Act II aria “Martern aller Arten”. In this singspiel, there is unusually no singing part for Pasha Selim. For 10 points, name this comic Mozart opera where Belmonte attempts to rescue his lover Constanze from an Ottoman harem.**

**ANSWER: *The Abduction from the Seraglio* [or *Die Entführung aus dem Serail*]**

## Bonuses

1. This group's delightfully titled songs include "We Throw Parties, You Throw Knives!" and "2007: The Year Punk Broke (My Heart)". For 10 points each:

[10] Identify this Welsh band formed at Cardiff University who have released albums like *Hello Sadness* and *Romance is Boring*.

ANSWER: **Los Campesinos!**

[10] The intro to the Los Campesinos! song "You! Me! Dancing!" is the theme for a series of ads by this beer company. A penguin used to advertise the "Ice" variety of a beer produced by this St. Louis-based company.

ANSWER: **Anheuser-Busch** [or **Budweiser**]

[10] Anheuser-Busch's "Select" line was heavily advertised by this artist, who proclaimed "this ain't for iTunes, this ain't for sing-alongs" on his song "D.O.A. (Death of Autotune)".

ANSWER: **Jay-Z** [or Shawn Corey **Carter**]

2. Some studies have looked into giving people with low levels of this substance injections of ApoA-1 Milano. For 10 points each:

[10] Identify this substance, which ideally is at levels over 60 grams per litre in the blood. It is also called "good cholesterol."

ANSWER: **HDL** [or **high-density lipoprotein**; prompt on **cholesterol**]

[10] Cholesterol, like testosterone, is one of these compounds with four cycloalkane rings. Anabolic types of these compounds can help build muscle but are banned by pretty much every major sports organization worth anything.

ANSWER: **steroids**

[10] HDL levels can be boosted by ingesting this compound, which increases the half-life of HDL apolipoprotein ApoA-1. This vitamin, which is produced from tryptophan in the liver, is a precursor to NADP+ and NADPH.

ANSWER: **niacin** [or Vitamin **B3** or **nicotinic acid** or Vitamin **PP**]

3. The "penguin" type of these considers CP violation. For 10 points each:

[10] Name these mathematical objects in quantum physics whose vertices represent an interaction.

ANSWER: **Feynman Diagrams** [or **Stueckelberg diagrams**; or **Feynman-Dyson diagrams**; or **Dyson graphs**]

[10] In a Feynman diagram, a particle line going backward in time represents this type of particle in relation to the depicted one. The positron is this type of particle for the electron.

ANSWER: **antiparticle**

[10] In Feynman diagrams, loops of virtual particles can lead to diverging integrals. This is the name for the various techniques used to remove such singularities in a quantum field theory.

ANSWER: **renormalization**

4. At the instigation of Vindex, this man proclaimed himself the spokesman for the Senate and the Roman people from his post in New Carthage. For 10 points each:

[10] Identify this man who gained the support of Nymphidius Sabinus and the Praetorian Guard following the death of Nero. His Praetorian support didn't last, and he was overthrown by a former governor of Lusitania.

ANSWER: Servius Sulpicius **Galba**

[10] This later emperor established the Flavian Dynasty and began the construction of the Colosseum.

ANSWER: **Vespasian** [or Titus Flavius Caesar **Vespasianus** Augustus]

[10] Galba and Vespasian were two of this many emperors who ruled in 69 CE.

ANSWER: **four** [or **Year of the Four Emperors**]

5. It was only mildly successful at its initial premiere, but achieved incredible success after it was adapted into a purely orchestral version for Paris World's Fair. For 10 points each:

[10] Joseph Weyl added words to this waltz, the traditional encore piece at the Vienna New Year's Concert.

ANSWER: *On the Beautiful* **Blue Danube** [or An **der Schönen Blauen Donau**]

[10] This Austrian composer known as "The Waltz King" wrote *The Blue Danube* and the comic operetta *Die Fledermaus*.

ANSWER: Johann **Strauss II** [accept Johann **Strauss, Jr.** or Johann **Strauss the Younger**; prompt on **Strauss**; prompt on **Johann Strauss**]

[10] Strauss also wrote this 1868 waltz, featuring a notable part for the zither that resembles a landler. Its theme evokes Austrian countryside establishments called *Heurigen*.

ANSWER: *Tales from the Vienna Woods* [or *Geschichten aus dem Wienerwald*]

6. In 2014, voters in this nation will participate in a referendum to secure independence from Great Britain. For 10 points each:

[10] Name this country that was home to the 1988 Lockerbie bombings.

ANSWER: Scotland [or Alba; prompt on Great Britain; prompt on United Kingdom or UK, but obviously don't accept "England"]

[10] Abdelbaset al-Megrahi, who was convicted for his role in the bombings, was released when he was diagnosed with terminal cancer. He returned to a hero's welcome in this nation, from which he ordered the bombings.

ANSWER: State of Libya [or Dawlat Libya]

[10] In 2001, this Scottish hacker broke into NASA computers and posted threats using the nickname "Solo." He is currently fighting efforts to extradite him to the United States.

ANSWER: Gary McKinnon

7. Guidance on how to calculate this position is given in the *Al-Baqara*. For 10 points each:

[10] Identify this direction which is often indicated by a niche in a mosque.

ANSWER: Qibla [or Qiblah or Kiblah or Kible or Kibla]

[10] The *qibla* is the direction a Muslim should face when performing this action, which is mandated by the *salat*.

ANSWER: prayer [accept word forms]

[10] The Masjid al-Qiblatain in Medina contains two of these entities, which are niches on the qibla wall that all face the same direction. They're often covered with a semi-cupola.

ANSWER: mihrab

8. Name these female African-American poets, for 10 points each.

[10] This woman was the first African-American to win the Pulitzer Prize for poetry with her collection *Annie Allen*. She also wrote "We Real Cool" and *A Street in Bronzeville*.

ANSWER: Gwendolyn Brooks

[10] This poet who teaches at Emory won the 2007 Pulitzer Prize for her collection *Native Guard*, which featured elegies for her mixed-race mother. She was appointed as U.S. Poet Laureate in 2012.

ANSWER: Natasha Trethewey

[10] This first published African-American woman is the author of a poetic tribute to George Whitefield. Her other poems include "To His Excellency, George Washington" and "On Being Brought from Africa to America".

ANSWER: Phyllis Wheatley

9. Varieties, the solution sets of these, are studied in algebraic geometry. For 10 points each:

[10] Name these expressions, the finite sums of terms containing variables raised to powers and multiplied by coefficients. The roots of those of degree two can be found by the quadratic formula.

ANSWER: polynomials

[10] For a variety, these ideals of an associated ring correspond to irreducible subvarieties and they make up the spectrum of the ring. Every maximal ideal is one of these and if  $fg$  is an element then  $f$  or  $g$  also is.

ANSWER: prime ideals

[10] The spectrum of a ring can be endowed with the Zariski type of this structure, whose closed sets are sets of all prime ideals containing an ideal. It can be defined on a metric space by taking the open balls as open sets.

ANSWER: topology [or topological space]

10. Stefano Maderno created a replica of this sculpture, the subject of a Rubens study in which a snake crawls over the title figure's back. For 10 points each:

[10] Identify this sculpture of a namesake priest of Apollo, created by Polydorus, Athenodorus and Agesander.

ANSWER: Laocoon group [or Laocoon and his Sons]

[10] Rubens and Maderno created depictions of an ancient sculpture of this Greek hero, which was named after the Farnese family. In that sculpture, this hero leans on a club covered by the skin of the Nemean Lion.

ANSWER: Hercules [or Heracles]

[10] Like in the *Farnese Hercules*, George Washington leans on a pillar to his left in a sculpture by this artist. This

sculptor also created a seated statue of Voltaire.

ANSWER: Jean-Antoine **Houdon**

11. Its namesake gained his wealth by trademarking a gonorrhea medicine and was advised by William Glackens. For 10 points each:

[10] Name this Philadelphia art museum that contains works like Cezanne's *Leda and the Swan* and Picasso's *The Ascetic*. Its move from its original location was documented in the film, *The Art of the Steal*.

ANSWER: The **Barnes** Foundation

[10] The only significant rearrangement from the old Barnes to the new Barnes involved moving this artist's *The Joy of Life* from facing a staircase to being on a balcony. This leader of the Fauvists painted *The Red Room*.

ANSWER: Henri-Emile-Benoit **Matisse**

[10] This artist's *Rosa la Rouge* is found in the Barnes Foundation. Another painting by this artist shows a ghostly-pale woman at the right of three men and two women sitting in a table in the *Moulin Rouge*.

ANSWER: Henri Marie Raymond de **Toulouse-Lautrec**

12. This party was criticized for its policy of *dedazo*, where candidates were appointed by party bosses rather than from primaries and conventions. For 10 points each:

[10] Identify this political party, whose leaders put down a student protest during the Tlatelolco Massacre. More recently, it has ousted the PAN party with the election of Enrique Pena Nieto.

ANSWER: **PRI** [or **Institutional Revolutionary Party** or **Partido Revolucionario Institucional**]

[10] The PRI held power for much of the 20th century in this country, which joined NAFTA in the 1990s. It is currently embroiled in a ruinous war over its numerous drug cartels.

ANSWER: **Mexico** [or **United Mexican States** or **Estados Unidos Mexicanos**]

[10] Mexico faced the December Mistake, or the tequila crisis, after its peso was devalued early in the reign of this president, the predecessor of Vicente Fox.

ANSWER: Ernesto **Zedillo** (Ponce de Leon)

13. These people believe that pregnancy is caused by balomas, the spirits of deceased ancestors or relatives. For 10 points each:

[10] Name these people whose agricultural practices and usage of spells were addressed in *Coral Gardens and their Magic*.

ANSWER: **Trobriand** Islanders [or **Trobrianders**; or **Kiriwinans**]

[10] Bronislaw Malinowski observed that Trobriand chiefs monopolized the kula ring exchange system. On this other Polynesian island, the subject of a pessimistic account by Reo Fortune, all men could participate in the system.

ANSWER: **Dobu** Island

[10] The Trobrianders used yams as contraceptives and for this other purpose. In ancient China, India, and East Africa, cowrie shells were used for this purpose.

ANSWER: as **currency** [or as **money**; accept synonyms]

14. This character laments, "How all occasions do inform against me" in his last major speech and earlier claims, "Conscience does make cowards of us all". For 10 points each:

[10] Name this character who asserts, "O, that this too too solid flesh would melt" in a speech that includes the famous quote, "Frailty, thy name is woman!"

ANSWER: **Hamlet**

[10] Hamlet mentions "the slings and arrows of outrageous fortune" in his soliloquy that begins by posing this famous question.

ANSWER: **"To be, or not to be?"**

[10] The second most famous of Hamlet's soliloquies includes a meditation on how an actor can create genuine emotion for this mythological figure. Hamlet asks what this figure is to him "That he should weep for her?"

ANSWER: **Hecuba**

15. Marie Curie was presented with a lead-lined case containing a gram of radium by this president. For 10 points each:

[10] Name this winner of the Election of 1920. His vice president was "Silent Cal" Coolidge and his closest advisors and many members of his cabinet were part of the corrupt "Ohio Gang," named after this president's home state.



ANSWER: William Gamaliel **Harding**

[10] Harding's Secretary of the Interior was this man, who was convicted of taking bribes in exchange for low-interest leases on Navy petroleum reserves in what was known as the Teapot Dome Scandal.

ANSWER: Albert Beacon **Fall**

[10] Another messy incident during the Harding administration was this event, in which 10,000 striking West Virginia mine workers clashed with the "Logan Defenders" and later the U.S. Army, resulting in over 100 deaths.

ANSWER: Battle of **Blair Mountain**

16. A low-cost form of this process involved a thorough rinsing with syrmæa and then a steeping in natrum for seventy days. For 10 points each:

[10] Identify this process which often involved removing the organs and placing them in canopic jars in preparation for a meeting with Anubis.

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

[10] Some textual evidence for mummification comes from the account of this figure in the Old Testament. This man goes to Haran where he works for his uncle Laban for seven years in order to marry Laban's daughter.

ANSWER: **Jacob** [or **Israel** or **Ya'akov** or **Yisra'el**]

[10] Some Egyptian spirits in the afterlife would meet the Ennead, a group of gods including this deity whose lonely masturbation sessions created Shu and Tefnut. Unlike a similar deity, he did not wear a double crown.

ANSWER: **Atum** [or **Tem** or **Atem**; prompt on **Ra**, but do not accept "Amun-Ra"]

17. The amount of motion in these faults can be calculated as heave squared plus throw squared. For 10 points each:

[10] Identify these faults, in whose normal variety the hanging wall moves downward relative to the footwall.

ANSWER: **Dip-slip** faults

[10] Strike-slip faults can develop in at these boundaries where tectonic plates move towards each other. One plate usually subducts into the mantle in these regions.

ANSWER: **Convergent** boundaries

[10] This is the term for land that is thrown downward by two parallel normal faults. It should not be confused with horst, which is land thrown upward in the same process.

ANSWER: **Grabens**

18. This disciple of the poet Carducci calls classical music "politically suspect" and meets his foe while vacationing in Davos. For 10 points each:

[10] Name this Italian humanist who is commissioned to write *The Sociology of Suffering* for the League for the Organization of Progress and is challenged to a duel by his intellectual rival Leo Naphta.

ANSWER: **Lodovico Settembrini** [either is fine]

[10] Lodovico Settembrini tries to influence this character, whom he labels "a problem child of life." This man ends up staying in the International Sanatorium Berghof for seven years in the novel *The Magic Mountain*.

ANSWER: **Hans Castorp** [accept either underlined answer]

[10] This German author wrote about Hans Castorp in his massive novel *The Magic Mountain*. He also wrote the shorter works "Tonio Kroger" and "Death in Venice".

ANSWER: Thomas **Mann**

19. This organization largely abandoned its namesake region following the Amboyna Massacre in 1623. For 10 points each:

[10] Identify this royally chartered company which gained control of a large subcontinent following the Battle of Plassey.

ANSWER: British **East India Company** [or English **East India Company** or **Governor and Company of Merchants of London Trading into the East Indies** or **United Company of Merchants of England Trading to the East Indies**]

[10] The British East India Company fought three wars of this name, the last of which saw soldiers of the company also suppressing Pindari bandits. The first conflict of this name was concluded with the Convention of Wadgaon.

ANSWER: Anglo-**Maratha** Wars

[10] This general won victories at Aragon and Assaye during the Second Maratha War. He would later be elected Prime Minister of Great Britain, and would duel the Earl of Winchilsea over the issue of Catholic Emancipation.

ANSWER: Arthur **Wellesley** [or the Duke of **Wellington** or Arthur **Wellesley**, 1st duke of, marquess of Douro,

marquess of Wellington, earl of Wellington, Viscount Wellington of Talavera and of Wellington, Baron Douro or Wellesley; prompt on “Iron Duke”]

20. Name some plays by Euripides, for 10 points each.

[10] In this play, Heracles arrives at the palace of Admetus after the title character’s death and forces Admetus to break a promise to refrain from merrymaking. Heracles ambushes Thanatos and resurrects the title character.

ANSWER: Alcestis

[10] This play ends when Talthybius brings the body of Hector’s son Astyanax to Hecuba, who buries it for Andromache. This play describes the post-war fate of a group of people including Andromache and Cassandra.

ANSWER: The Trojan Women [or Troïades]

[10] In this play King Pentheus is ripped apart by the title group of women, including his mother Agave, after refusing to worship the god Dionysus.

ANSWER: The Bacchae [or The Bacchantes]

21. A “shell” of this phenomenon surrounding a single Na<sup>+</sup> ion is one of the reasons that the ion is barred access to a K<sup>+</sup> ion channel. For 10 points each:

[10] Name this phenomenon, the electrostatic interaction between solvent molecules and the dissolved solute.

ANSWER: solvation [or hydration; accept word forms]

[10] Solvation requires the formation of one of these, a temporary partial charge present in polar solvents. A common weak intermolecular force is the interaction of these with each other.

ANSWER: accept any answer with dipole in it

[10] A beautiful blue color is produced due to the presence of solvated electrons in a solution of sodium metal and this compound, a foul-smelling fluid with trigonal pyramidal geometry.

ANSWER: ammonia [do not prompt on or accept “ammonium”]

22. This king’s mistress, Agnes Sorel, was the first “favorite” to be officially recognized by a French king. For 10 points each:

[10] Identify this son of Isabeau of Bavaria and ally of Arthur III, the Count of Richemont. He issued the Pragmatic Sanction of Bourges and his generals won the Battle of Castillon after securing Bordeaux.

ANSWER: Charles VII [or Charles the Victorious or Charles the Well-Served or Charles le Victorieux or Charles le Bien-Servi; prompt on Charles]

[10] Charles was crowned in Reims in 1429 by this peasant girl, who helped rally French forces at the Siege of Orleans before being captured by the English and burnt at the stake

ANSWER: Jeanne D’Arc [or Joan of Arc; prompt on The Maid of Orleans; prompt on Joan]

[10] Charles’ mother, Isabeau, signed this treaty in 1420, recognizing Henry V’s claims to France over Charles’.

ANSWER: Treaty of Troves

23. One part of this work describes being frisked before being allowed to enter Eldridge Cleaver’s apartment. For 10 points each.

[10] Name this Joan Didion essay in which she discusses Linda Kasabian’s trial after the murder of Sharon Tate and visits a practice for The Doors. It begins with the line, “we tell ourselves stories in order to live.”

ANSWER: “The White Album”

[10] Joan Didion is often grouped into this school writing, which blended literature and news writing and used unconventional techniques drawn from the world of literary fiction. Its name was coined by Tom Wolfe.

ANSWER: New Journalism

[10] Another New Journalist is this man, who wrote about the Clutter family murders in his *In Cold Blood* and wrote about Holly Golightly in his novel *Breakfast at Tiffany’s*.

ANSWER: Truman Capote

24. A companion to this philosophical work was edited by Ralf Bader and John Meadowcroft, and this work’s first section offers a defense of the minimal or nightwatchman state. For 10 points each:

[10] Identify this work of political philosophy which includes a section on income and justice distribution called the Wilt Chamberlain argument.

ANSWER: Anarchy, State and Utopia

[10] Robert Nozick’s *Anarchy, State and Utopia* and this text by John Rawls were both monumental works of

political philosophy written in the 1970s. This work outlines the formation of a consensus through public reason.

ANSWER: A **Theory of Justice**

[10] This economist critiqued *Anarchy, State and Utopia* for relying on the immaculate conception of a minimal state. He also wrote *The Ethics of Liberty* and *Egalitarianism as a Revolt Against Nature*.

ANSWER: Murray Newton **Rothbard**