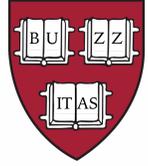


## Harvard Fall Tournament IX

Edited by Will Holub-Moorman and Raynor Kuang

Questions by Will Holub-Moorman, Raynor Kuang, Sriram Pendyala, Robert Chu, Mark Arildsen, Catherine Wu, Roger Jin, and Vimal Konduri



Round 1

Tossups

1. **One character in this play believes that his excessive consumption of beef has made him stupid and promises to give his horse to another character after challenging him to a duel. One character in this play asks a messenger what “chapter” of another character’s “bosom” a message is from, and sends her steward to give that messenger a ring. In this play, a character dons yellow (\*) stockings at the behest of a letter written by Maria. In this play, Sir Andrew Aguecheek, Feste, and Sir Toby Belch convince Malvolio that Olivia is in love with him. For 10 points, name this play which ends with the marriage of Viola and Duke Orsino, a William Shakespeare comedy set in Illyria.**

ANSWER: *Twelfth Night*; or, *What You Will*

2. **Robert Gellately recently published a book titled after this politician’s “Curse,” and this politician published an article claiming to be “dizzy with success” following the implementation of an economic policy. This politician ordered *TASS* to print a report that a group of doctors were planning to assassinate members of his government, which this politician’s (\*) successor claimed was false in a 1956 speech. This politician developed the concept of “socialism in one country,” initiated numerous Five-Year Plans, and expelled Leon Trotsky from his country in 1929. For 10 points, name this predecessor of Nikita Khrushchev and Soviet leader during World War II.**

ANSWER: Joseph Stalin

3. **In 2014, Martha Stewart wrote a *TIME* article about her love of these entities, and Nabila Rehman testified to Congress about these entities. These entities are used in instances of so-called “double tapping.” In December 2013, Jeff Bezos announced that these entities would soon be used by (\*) Amazon. Rand Paul filibustered the Senate for nearly 13 hours to oppose the nomination of John Brennan over his involvement with the American use of these entities, one of which was used to kill the American citizen Anwar al-Awlaki in Yemen. For 10 points, name this type of aircraft that is operated remotely.**

ANSWER: drones [Accept Unmanned Aerial Vehicles, or Unmanned Air(craft) Systems, or Remote Piloted Aircraft Systems.]

4. **A three-dimensional model of three mountains was used to test for egocentrism in this type of people in a study run by Barbel Inhelder, who co-authored a book about this group’s “conception of space.” Mary Ainsworth used the Strange Situation protocol to classify people of this type as “securely” or “ambivalently” attached. Most people of this type are in the “pre-conventional” stage of (\*) moral development. People of this type move through “sensorimotor” and “concrete operational” stages in a theory developed by Jean Piaget [pia-ZHEY]. For 10 points, name these people, whom, according to Freud, experience the Electra and Oedipus complexes toward their parents.**

ANSWER: children [accept similar equivalents, such as young people, infants, toddlers, kids; prompt on anything mentioning people in Piaget’s developmental model]

5. **The tracking shot was pioneered in a documentary about one of these events that opens with several minutes of footage of ruins before displaying a sculpture by Myron. That documentary's second half is titled "Festival of Beauty," and was directed by Leni Riefenstahl. The outset of a recent one of these events saw Rowan Atkinson repeatedly play a single note on a synthesizer, while an earlier one was opened by (\*) two thousand and eight Fou drummers and took place in the Bird's Nest. For 10 points, name these events associated with the motto "Citius, Altius, Fortius" and the image of five interlocking rings, international sporting competitions which take place every two years.**

ANSWER: the **Olympics** [definitely accept Olympic **opening ceremonies** and more specific answers, such as **Summer Olympics**]

6. **Marguerite Duras wrote about her affair with a Chinese man in this modern-day country in her novel *The Lover*. This country, whose national epic is *The Tale of Kieu*, is the setting of a book of short stories in which Henry Dobbins wears his girlfriend's stockings around his neck and is part of a group led by Jimmy Cross. In a Graham Greene novel, the journalist Thomas Fowler covers a war in this country, where he meets (\*) Alden Pyle, the title "Quiet American." That war in this country provides the backdrop for Tim O'Brien's *The Things They Carried*. For 10 points, name this Southeast Asian country with capital at Hanoi.**

ANSWER: **Vietnam**

7. **This organ is responsible for the production of clotting factors protein C and protein S, as well as insulin-like growth factor-1. It's not the kidney, but this organ releases a precursor that reacts with renin which is responsible for the maintenance of extracellular fluid volume; that precursor is angiotensinogen. This organ contains modified macrophages that break down erythrocytes through (\*) phagocytosis; those are its Kupffer cells. Gluconeogenesis takes place in this organ, and it metabolizes heme into bilirubin. Cirrhosis is a disease of this organ caused by excessive alcohol consumption. For 10 points, name this organ which produces bile and detoxifies blood.**

ANSWER: **liver**

8. ***Minor v. Happersett* upheld Missouri's ban on this practice under the Fourteenth Amendment, and the New Jersey Constitution of 1776 allowed a limited version of this practice. The "Silent Sentinels" picketed the White House to demand this practice as part of efforts organized by the NWP, and (\*) Wyoming approved this practice in 1869. The right to this practice was demanded by the Declaration of Sentiments passed at the Seneca Falls Convention. This practice was advocated by organizations like NAWSA, and the right to it was guaranteed in the Nineteenth Amendment. For 10 points, name this practice advocated by Elizabeth Cady Stanton and Susan B. Anthony.**

ANSWER: **women's suffrage** [accept descriptive equivalents, such as **women voting**]

9. **Joseph Stella is best known for his Precisionist paintings of one of these entities in New York. In a painting by Gustave Caillebotte [kye-BO] set on one of these entities "of Europe," a dog walks away from the viewer and a couple walks toward the viewer. While in Arles, Vincent Van Gogh produced a series of four paintings showing women in multicolored hats washing clothing near one of these entities. One of these entities at (\*) Old Battersea is shown in James Whistler's *Nocturne in Blue and Gold*, and Claude Monet included a Japanese-style one of these in several of his early paintings of water lilies. For 10 points, name these structures that span bodies of water.**

ANSWER: **bridges**

10. **Members of this group comprised the *donme* in the Ottoman Empire due to their secret adherence to the Sabbatean movement. This group was opposed by the South African Greyshirts, and the Falasha are a population of these people in Ethiopia. A large population of these people emigrated from Yemen as part of Operation Magic Carpet. Following the Battle of Carchemish, (\*) Nebuchadnezzar deported many of these people to Mesopotamia in the “Babylonian Captivity.” For 10 points, name these practitioners of a namesake religion targeted in numerous *pogroms* throughout history, the hatred of whom is called antisemitism.**

ANSWER: **Jews** [accept clear equivalents; anti-prompt (ask for less specific) on “Ashkenazi,” “Sephardic,” or other specific subsets]

11. **The Goff-Gratch equation predicts this quantity’s value for water. In one equation, the log of this quantity is equal to A minus B over the quantity C plus temperature, where A, B, and C are substance-specific constants; that is the Antoine equation. This quantity’s natural log is proportional to the negative molar enthalpy of its corresponding phase change over the gas constant times temperature by the (\*) Clausius-Clapeyron equation. Raoult’s law calculates this quantity using the weighted average of this quantity for the mole fractions of a mixture. When this quantity is equal to the atmospheric pressure, a liquid boils. For 10 points, name this quantity, the pressure of gas above a liquid at equilibrium.**

ANSWER: **vapor pressure** [prompt on “pressure”]

12. **This god’s scepter and the key to his palace are held by Aeacus, who works with Rhadamanthys in this god’s domain. Leuke was transformed into a white poplar after her affair with this god, and the naiad Minthe nearly seduced this god before being turned into a mint plant. This god used two stone chairs to imprison Pirithous and (\*) Theseus for attempting to kidnap his wife. This god first met his wife picking flowers in a meadow and later fed her a pomegranate to trick her into becoming his wife. This husband of Persephone is god of a realm containing the Elysian Fields and the river Styx. For 10 points, name this Greek god who shares his name with the underworld.**

ANSWER: **Hades**

13. **Christopher Hogwood recorded William Byrd’s *My Ladye Nevells Booke* with this instrument. A virginal is a smaller version of this instrument, for which Jean-Philippe Rameau composed three books of solo works. Francois Couperin wrote a treatise on “the art of playing” this instrument, and most of a set of 555 works by Domenico (\*) Scarlatti were composed for this instrument. This instrument was largely supplanted by another instrument whose strings are struck with a hammer, rather than plucked, as in the case of this instrument. For 10 points, name this keyboard instrument heavily used in Baroque music.**

ANSWER: **harpsichord** [accept **virginal** before read, prompt on “keyboard.” Do not accept “piano”]

14. **One work by this poet repeats the phrase “through me you go” at the beginning of three consecutive lines, while in another, he hypothesizes that “moon spots” are the product of differing densities. The speaker of one poem by this author notes that he has lost the “straight way” and, while in a “dark wood,” sees a leopard, (\*) a she-wolf, and a lion. This poet utilized an interlocking three-line rhyme scheme, called the *terza rima*, to write that poem. This poet placed the line “Abandon all hope, ye who enter here” atop a gate that leads into a location with areas such as Dis and Malebolge, and nine circles. For 10 points, name this Italian poet who wrote the *Inferno*.**

ANSWER: **Dante Alighieri** [accept either]

15. **The speaker of one poem laments that this entity is “no drinker of wine,” and this entity appears in a different poem by that author just before the speaker states, “I lower my head and think of my hometown.” The character for “longevity” is imprinted atop food items named for this entity which are consumed during the (\*) Mid-Autumn Festival.** The Chinese goddess associated with this entity overdosed on a pill of immortality that was retrieved by her husband Houyi, and is named Chang’e. In 2013, a vehicle named Yutu, or Jade Rabbit, was landed on this entity by China. For 10 points, name this satellite of Earth.

ANSWER: the **Moon** [or **Luna**; accept **yue** or the **August Moon**]

16. **This process can be modeled by the simplest case of the three-dimensional Langevin dynamics. The Einstein-Smoluchowski relation equates particle mobility times Boltzmann’s constant times temperature to the namesake coefficient of this process; that namesake coefficient is the proportionality constant between the positional derivative of concentration and the flux of this process in (\*) Fick’s law.** Graham’s law predicts the rate of a special case of this process involving gas and a pinhole. When water undergoes this process through a membrane, it is called osmosis. For 10 points, name this process where particles from areas of high concentration to areas of low concentration.

ANSWER: **diffusion** [accept **Brownian motion** before first instance of “namesake coefficient”; prompt on “effusion” or “osmosis” before mentioned]

17. **The protagonist of this novel struggles with operating a microphone before delivering a speech centering on the “dispossessed” which is criticized for not being “scientific” enough. This novel’s protagonist is shown a card bearing the question “What is your name?” after undergoing electric shock therapy, and narrates this novel from a cellar lit with thousands of (\*) light bulbs.** This novel’s protagonist is forced to fight for coins on an electrified mat in this novel’s “Battle Royale” scene, and is later caught in the middle of riots led by Ras the Destroyer. For 10 points, name this novel narrated by an unnamed black male, a work by Ralph Ellison.

ANSWER: ***Invisible Man***

18. **One of these events in Finland was exacerbated because Johann Vilhelm Snellman did not want to weaken the markka, while another led to the killing of sparrows in China. The USSR denied that one of these events in Ukraine constituted a genocide; that event is the (\*) Holodomor.** One of these periods featured the use of vessels known as “coffin boats” and started during the ministry of Robert Peel. That event led to the repeal of the Corn Laws and widespread immigration to the United States from Ireland. For 10 points, name these events caused by crop failures which result in mass starvation.

ANSWER: **famines** [accept equivalents, including mass **starvations**]

19. **When a Riemann-integrable function named for Thomae takes a value in this set as its argument, a non-zero value is output; that function is also called the popcorn function. The reals can be constructed from this set by completion with Cauchy sequences or Dedekind cuts. The algebraic numbers can be constructed through the (\*) algebraic closure of this set.** The set of these numbers can be treated as the equivalence classes of ordered pairs of integers, and it is represented by an uppercase Q. Any terminating or repeating decimal number is in this set of numbers, while numbers *not* in this set include phi and the square root of two. For 10 points, give this set of numbers that can be expressed as a fraction of two integers.

ANSWER: **rationals** [accept **Q** before mention, do not prompt on “reals”]

20. **The sacrifice of one of these animals occurred in the *Ashvamedha* ceremony, and one of these animals named Kanthaka died of a broken heart after Siddhartha Gautama left him. A prophecy named after one of these animals suggests that the Church of Latter Day Saints will ultimately govern America, and a heavenly one of these creatures in Islam is named (\*) Al-Buraq.** White, red, black, and pale instances of these animals are summoned by the opening of the first four seals in Revelation. For 10 points, name these animals ridden by War, Famine, Conquest, and Death during the Apocalypse.

ANSWER: **horses** [or white **horse**]

21. **In this novel, one character refuses to relinquish a muff kissed by this novel's title character. This novel's narrator opens by comparing it to a feast cooked by Heliogabalus, and its title character is hit over the head with a bottle by the ensign Northerton. This novel's title character is imprisoned, and nearly executed, for stabbing (\*) Mr. Fitzpatrick, and is also accused of stealing a duck from Bilfil.** For 10 points, name this novel in eighteen books whose title character lives on the estate of Squire Allworthy and eventually marries Sophia Western, a Henry Fielding work about a foundling.

ANSWER: *The History of **Tom Jones**, A Foundling*

## Bonuses

1. Examples of these include the “Gorner” one in Switzerland and the Antarctic ice sheet. For 10 points each:

[10] Name these large, persistent bodies of dense ice whose slow movement over time changes the face of the Earth.

ANSWER: **glaciers**

[10] Glaciers often deposit these unconsolidated hills of debris, which can come in terminal, lateral, and medial types. The presence and locations of these glacial features can then be used to determine the extents of previous glaciations.

ANSWER: **moraines**

[10] Water can enter the inside of a glacier from the surface through these deep, roughly circular, well-like shafts that can penetrate the glacier’s body for hundreds of meters. Water entering through these structures can then help lubricate the base of the glacier, catalyzing motion.

ANSWER: **moulin** [accept **glacier mill**]

2. The singer of this song notes “I’m home about 8 / Just me and my radio” and calls himself “Like Jack Horner / In the corner.” For 10 points each:

[10] Name this song, performed by its composer, Fats Waller, in the movie *Stormy Weather*.

ANSWER: “**Ain’t Misbehavin’**”

[10] “Ain’t Misbehavin’” has been recorded by pretty much everyone, including this female singer nicknamed “Lady Day.”

ANSWER: Billie **Holiday**

[10] Holiday is probably best known for performing the song “Strange Fruit,” which describes the aftermath of one of these mob executions in the South.

ANSWER: **lynching**

3. Thomas Aquinas argued that this action could only be undertaken by proper authority acting for a “just cause” with the “right intention.” For 10 points each:

[10] Name this action. Hugo Grotius outlined three “just causes” for it: self-defense, reparation of injury, and punishment.

ANSWER: **war** [accept descriptive equivalents, as well as **just war**]

[10] The notion of “just war” originated in this Christian theologian’s *City of God*. This guy from Hippo also penned some notable *Confessions*.

ANSWER: St. **Augustine** of Hippo

[10] This later philosopher noted that “war is an ugly thing, but not the ugliest of things” in an essay published during the American Civil War. This thinker also developed the “harm principle” and wrote “The Subjection of Women.”

ANSWER: John Stuart **Mill**

4. Seven Macaw serves as a primary antagonist in this mythology system. For 10 points each:

[10] Name this Mesoamerican civilization whose mythology describes a pair of Hero Twins who descend to the underworld Xibalba to defeat the gods of the underworld in a ball game.

ANSWER: **Mayan**

[10] This plant features prominently in Mayan mythology, in which it is personified as a deity and given as an alter ego form for the Hero Twins. Along with squash and beans, it is one of the Native American Three Sisters.

ANSWER: **maize** [prompt on “corn”]

[10] Much knowledge of Mayan mythology and religion is contained in books known by this generic term. Examples of Mayan ones are the Dresden and Madrid ones, while one of the best known Aztec ones is the Florentine one.

ANSWER: **codex** [or **codices**]

5. This principle predicts that an electron configuration of maximum multiplicity will have lowest energy. For 10 points each:

[10] Name this “rule” that says that electrons will preferentially fill empty orbitals of the same energy level before crowding into the same orbital as a pair.

ANSWER: **Hund**’s rule

[10] According to the Bohr model, the energy levels of electrons can be visualized as concentric orbits around the cluster of protons and neutrons at the center of an atom.

ANSWER: **nucleus**

[10] This man names the equation that gives the wavelength of the photon emitted when electrons transition between energy levels in the hydrogen atom. This man’s namesake constant is about 1.09 times 10 to the negative seven inverse meters.

ANSWER: Johannes **Rydberg**

6. While in college, the title character of this novel and his friends botch the sacrifice of a lamb after buying it at a market. For 10 points each:

[10] Name this Nathanael West novel, whose title advice columnist carries on an unromantic affair with the wife of his editor, Shrike.

ANSWER: ***Miss Lonelyhearts***

[10] This other author included an incompetent advice columnist named Guru Brahmin in his novel *The Loved One*, but is better known for writing *A Handful of Dust* and a novel centering on the Marchmain family.

ANSWER: Evelyn **Waugh**

[10] At the end of *A Handful of Dust*, Tony Last is trapped in Brazil by Mr. Todd, who forces Last to continually read him books by this author of *A Tale of Two Cities* and *Nicholas Nickleby*.

ANSWER: Charles **Dickens**

7. You are the American adventurer Frederick Russell Burnham. Answer these questions about yourself, for 10 points each:

[10] When you were a baby, your mother hid you in a basket of corn husks during a raid by this Native American tribe led by Little Crow during an 1862 war in Minnesota. Sitting Bull was a chief of this tribe’s Lakota division.

ANSWER: Dakota **Sioux**

[10] Due to your friendship with and influence on Robert Baden-Powell, you’re now considered the “father” of this 20th century movement. The American organization best associated with it has the motto “Be prepared!” and recently voted to admit gay members.

ANSWER: **scouting** [or **Boy Scouts** of America]

[10] In 1910, you teamed up with your longtime rival Fritz Duquesne in an effort to import these semiaquatic animals to Louisiana as a way of addressing the country’s meat shortage. In Egyptian mythology, Tawaret is half crocodile and half this animal.

ANSWER: **hippopotamus**

8. In one painting by this artist, an enormous white statue holding a shield sits to the right of a broken bridge and a burning boat. For 10 points each:

[10] Name this artist, who included that painting, *Destruction*, as the fourth installment in his five-part *The Course of Empire*, and also painted *The Voyage of Life*.

ANSWER: Thomas **Cole**

[10] Cole was the founder of this American landscape art movement named after a New York waterway, whose later members included Frederic Edwin Church and Albert Bierstadt.

ANSWER: **Hudson River** School

[10] One painting by Cole depicts an enormous stone one of these objects perched atop a cliff, with water spilling over its edges and ships sailing on its surface. The central figure of *Belshazzar's Feast* knocks over one of these items in surprise.

ANSWER: a **goblet** [or **cup**, accept *The Titan's Goblet*]

9. The Hart-Celler Act was a major reform in this area of policy, which groups like the Know-Nothings sought to restrict. For 10 points each:

[10] Name this movement of people into a country that is responsible for much of the population of the United States.

ANSWER: **immigration**

[10] One of these laws, the Johnson-Reed Act, was passed in 1924 and disallowed immigration by Arabs, East Asians, and Indians. Another of these laws passed in 1882 under pressure from the Workingman's Party of California prohibited its namesake ethnic group from immigrating.

ANSWER: **exclusion acts** [accept **Asian Exclusion Act** and **Chinese Exclusion Act**]

[10] This method was used to determine who was not white in many U.S. states during the early 20th century. It superseded earlier "blood fraction" statutes, and stated that anyone with a single African ancestor was black.

ANSWER: **one-drop** rule

10. Prior to this event, martial law was declared and over 300,000 soldiers were mobilized to Beijing. For 10 points each:

[10] Name this 1989 Chinese uprising. The "tank man" is a notable image from this event.

ANSWER: **Tiananmen** Square Protests

[10] This Chinese leader authorized use of force against the Tiananmen Square protesters. He visited the United States in 1979.

ANSWER: **Deng** Xiaoping

[10] The Tiananmen Square Protests were sparked by the death of this Chinese General Secretary, who was forced to resign in 1987 after refusing to silence a university protest in Hefei.

ANSWER: **Hu** Yaobang

11. For 10 points each, name some things about transport mechanisms found in plants:

[10] Vessel elements and tracheids make up this water-conducting tissue. It is contrasted with phloem.

ANSWER: **xylem**

[10] Ernst Munch proposed this hypothesis in 1930, which describes the movement of sugar in phloem from source to sink in a plant. Osmosis of water into and out of the phloem is a driving force in this mechanism.

ANSWER: **Pressure Flow** Hypothesis [or **Mass Flow** or **Bulk Flow** Hypothesis]

[10] Xylem is made of these types of cells, which are characterized by lignified secondary walls and are important for structural support. These cells of ground tissue are usually dead at maturity.

ANSWER: **sclerenchyma**

12. Henri Dutilleux's *Tout un monde lointain...* is a work for this instrument and orchestra. For 10 points each:  
[10] Name this instrument featured in Max Bruch's *Kol Nidrei* and Sergei Prokofiev's *Symphony-Concerto in E minor*.

ANSWER: violon**cello**

[10] While the most important solo cello suites in the repertoire are Bach's set of six, this twentieth century English composer wrote a notable set of three for Mstislav Rostropovich. As might be expected, the cellos play their variation after the violas in this man's *The Young Person's Guide to the Orchestra*.

ANSWER: Benjamin **Britten**

[10] This Czech composer's Cello Concerto in B Minor was premiered in 1896 by Leo Stern, three years after the success of his *New World Symphony*.

[10] Antonín **Dvořák**

13. One character in this play tells another that the reason gnats buzz is that their backsides resemble trumpets. For 10 points each:

[10] Name this play in which Strepsiades enrolls his son Pheidippides in a school run by Socrates, the Thinkery.

ANSWER: *The **Clouds*** [or ***Nephelai***]

[10] *The Clouds* is a work by this Greek comedic playwright of *The Frogs*.

ANSWER: **Aristophanes**

[10] In *The Frogs*, another character mocks this character by using castanets, and Dionysus and Xanthias eventually decide to leave him in Hades.

ANSWER: **Euripides**

14. Like Newton's law of universal gravitation, this law is an inverse square law. For 10 points each:

[10] Name this law that sets the force between two electric charges proportional to the product of their charges divided by their separation distance squared.

ANSWER: **Coulomb's** law

[10] Coulomb's law is often not useful for calculating the electric potential for a distribution of charges. This method of calculating the potential introduces imaginary charges into the problem that replicate the original problem's boundary conditions, but simplify the analysis.

ANSWER: **method of image** charges [accept **method of mirror** charges]

[10] Instead of using Coulomb's law or the method of image charges, one can use Gauss's law for symmetric distributions. Using Gauss's law on this charge distribution gives a uniform electric field of magnitude equal to the charge density over two times the permittivity of free space.

ANSWER: uniformly charged infinite **plane** [accept clear equivalents like "sheet"]

15. The Menshikov Palace is a branch of the Hermitage Museum on Vasilyevsky Island in this city. For 10 points each:

[10] Name this second largest Russian city, formerly known as Leningrad.

ANSWER: **Saint Petersburg** [Accept **Sankt-Peterburg**.]

[10] Saint Petersburg is situated on this river, which flows from Shlisselburg into the Gulf of Finland.

ANSWER: **Neva** River

[10] The source of the Neva is this largest lake in Europe. During World War II an ice Road of Life was constructed across it in winter to relieve besieged Leningrad. This lake also contains the island of Valaam, home to an Orthodox monastery.

ANSWER: Lake **Ladoga**

16. One character in this novella falls to his death when his former subjects cut away the supports of a rope bridge, while another survives being crucified between two pine trees. For 10 points each:

[10] Name this novella which sees David Dravot and Peachey Carnahan conquer Kafiristan.

ANSWER: *The **Man Who Would Be King***

[10] *The Man Who Would Be King* is a work by this British author of *The Jungle Book* and *Kim*.

ANSWER: Rudyard **Kipling**

[10] This mongoose created by Kipling in *The Jungle Book* protects a British family living in India by killing the cobras Nag and Nagaina.

ANSWER: **Rikki Tikki-Tavi**

17. In order to obey this principle, some people sweep the ground before them to move aside insects. For 10 points each:

[10] Name this principle exemplified by the Sanskrit word “ahimsa.” A description is acceptable.

ANSWER: **non-violence** [or anything else vaguely meaning not hurting life forms]

[10] Ahimsa is the main principle of this religion, which lists 24 historical tirthankaras who acted as “bridges” of teaching, the last of whom was Mahavira.

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

[10] One of the *tattva*, or fundamental principles of Jainism, describes the nature of *jiva*, or these entities, which are comprised of *cetana* and *upayoga*. Taoists believe in ten of these entities called *sanhunqipo*.

ANSWER: **souls**

18. A kaleidoscope collector in this novel arranges to have three motorcyclists kidnap him, but this is preempted by three other motorcyclists kidnapping him and taking him to his own house. For 10 points each:

[10] Name this novel, which also includes a section centering on a weather measurement expert written by the Cimmerian author Ukko Ahti.

ANSWER: ***If on a winter's night a traveler*** [or ***Se una notte d'inverno un viaggiatore***]

[10] This Italian author of *Invisible Cities* wrote *If on a winter's night a traveler*.

ANSWER: Italo **Calvino**

[10] Calvino gave a series of lecture on “science and metaphor” in the work of this Italian author of *Dialogue Concerning the Two Chief World Systems*, a scientist who discovered some moons of Jupiter and was imprisoned in his house by the Inquisition.

ANSWER: **Galileo Galilei** [accept either]

19. Answer some questions about François Mitterrand, for 10 points each:

[10] Mitterrand was a member of this French political party. Other members of this left-leaning party include France’s current president, François Hollande.

ANSWER: **Socialist** [or **Parti Socialiste**]

[10] One scandal that occurred during Mitterrand’s presidency was French involvement in the 1985 sinking of this Greenpeace ship in Auckland Harbor.

ANSWER: **Rainbow Warrior**

[10] Mitterrand’s tenure was marked by this political phenomenon in the periods of 1986-1988 and 1993-1995, in which he was forced to appoint a prime minister of the opposing party.

ANSWER: **cohabitation**

20. For 10 points each, answer these questions about monarchs who suffered from mental illness:

[10] This British monarch's porphyria caused him to shake hands with a tree, thinking it was the King of Prussia. He was king during the American Revolution.

ANSWER: **George III** [prompt on "George"]

[10] Joanna the Mad, mother of the Holy Roman Emperor Charles V, became the queen of this Spanish kingdom in 1504. With León, it names the largest present-day autonomous community in Spain.

ANSWER: Kingdom of **Castile**

[10] Charles VI, who believed he was made of glass, was a member of this French royal house, as was Louis the Spider. This house inherited the throne after the end of the Capetian dynasty.

ANSWER: House of **Valois**