



1. Hymns composed as part of this movement comprise the Tirumurai. Groups which spread this practice included the Alvars and the Nayanars. An important leader of this movement translated the Ramayana into Awadhi to create the Ramcaritamnas. This movement, which included Tulsidas, was spread by the Sant Mat teachers out of Tamil Nadu beginning in the thirteenth century. For 10 points, identify this form of yoga which is the personal devotion to a god in Hinduism.

ANSWER: **bhakti**

019-14-67-02101

2. One character adjusts his rear-view mirror to fix his hair during a car chase in this film and that character is told several times that he looks like James Dean. A children's chorus sings as a house is burned down in this film and shortly after that close-ups of objects in nature go in and out of focus while one character builds a hut. The main male character in this film uses a door for protection in a shootout with men who come in a helicopter. The main female character is the narrator throughout this film and she runs away from her home after the male protagonist shoots her father. This film was based on the Charles Starkweather murders and follows Kit and Holly as they go on a killing spree through the rural Midwest. For ten points, name this first feature film directed by Terrence Malick, which was named after a national park.

ANSWER: **Badlands**

250-14-67-02102

3. By calculating the exerted force on a material, a Guoy balance can be used to determine this quantity, while Faraday devised a configuration that allows one to calculate this quantity given mass. This quantity can be expressed as the ratio of bound to free current density in a material and it is equal to relative permeability minus one. Antiferromagnets have their maximum value for this quantity at the Neel point. This quantity is negative for diamagnetic materials and positive for paramagnetic ones. Denoted chi-sub-m, for 10 points, name this quantity, the degree to which a material is affected by an applied magnetic field.

ANSWER: magnetic **susceptibility** [prompt on "chi"; prompt on "chi-sub-m"]

245-14-67-02103

4. This woman sits in front of a book shelf in a painting whose left is dominated by a large harp painted by Francois Louis Dejuinne. Prince Augustus of Prussia stands in front of a portrait of this woman in a Franz Kruger painting. This woman's fresco-inspired hairstyle can be seen in a Joseph Chinard bust. She sits on a blue chair wearing her signature white dress in a flattering portrait by Francois Gerard. In another painting, she wears a black head band and is seated next to a Spartan lamp, one of the only pieces of furniture in the room. In that most famous portrait, this woman is seated on a namesake type of sofa. For 10 points, name this French beauty, subject of an austere unfinished portrait by Jacques-Louis David.

ANSWER: Madame Juliette **Récamier** [or Jeanne-Françoise Julie Adélaïde **Récamier**]

094-14-67-02104

5. One character in this novel tells a parable about a man who threw out all four of his wives because they quarreled. A children's chant that goes "magic lantern, bye bye bye" is heard several times in this novel. This novel's protagonist is given a cucumber which was hidden in a woman's breast and later watches that woman fall out of a boat and drown. While in a dark room that smells of urine, a character in this novel finds the words "pax aeterna" on a wall and hears the groans of people who are bleeding to death as they hang upside down in a pit. Like his mentor Ferreira, the main character of this novel takes a wife after trampling on an image of Christ. For 10 points, name this novel about the missionary Sebastian's experiences in Japan by Shusaku Endo.

ANSWER: Silence [or Chinmoku]

252-14-67-02105

6. Against the satisfaction theory of St. Anselm's *Cur Deus Homo?*, this man claimed that the role of the Christ's death was to exemplify perfect love. In his commentary on the Epistle to the Romans, this man claimed that the only punishment faced by unbaptized infants is separation from God, prefiguring the idea of limbo. His contention that reason has a role to play in interpreting faith angered "anti-dialecticians" such as Bernard of Clairvaux, who had nineteen of this philosopher's propositions condemned at the Council of Siens. This founder of the Oratory of the Paraclete assembled citations from opposing patristic authorities on 158 questions in one book. This man's *Historia Calamitatum* documented an affair that caused Fulbert to have him castrated. For 10 points, name this Scholastic philosopher who wrote *Sic et Non* and had an affair with Héloïse d'Argenteuil.

ANSWER: Peter Abelard [or Petrus Abelardus; or Pierre Abélard]

237-14-67-02106

7. In one political campaign, this man's candidacy was damaged by a Drew Pearson article that declared him a leader in the "Birth Control League". This politician won election to his highest post after the death of Brien McMahon and won that seat over a man who would later be called a "jew son of a bitch" by Richard Daley, Abraham Ribicoff. This man was praised for his vote to censure Joseph McCarthy by a man who was attacked by this politician's son for visiting Moscow during the 1960s. This man received a house in Kennebunkport, Maine as a wedding gift, and this man's son and grandson would host people like Yitzhak Rabin and Vladimir Putin there. For ten points name this senator from Connecticut and father and grandfather of the 41st and 43rd presidents of the United States.

ANSWER: Prescott Bush [prompt on Bush after the word son is mentioned]

250-14-67-02107

8. Ruth Brend claimed that these people have four contrastive levels in their voices. Otto Jespersen discussed an example in which these people ostensibly used Arawak rather than Carib terms in an essay that criticized their slipshod speech. Jennifer Coates described the deficit, dominance, difference, and dynamic approaches to the study of their language. A noun class in the Dyirbal language includes these people along with exceptional animals, fire, and violence, from which the title of a George Lakoff book about categories is derived. The Nüshu script was exclusively used by these people, who use more tag questions, empty adjectives, and hedges. In *You Just Don't Understand*, Deborah Tannen claims these people tend to use language to build rapport. For 10 points, name this group of people whose genderlect, according to Robin Lakoff, tends to reflect their historical oppression.

ANSWER: women [or females]

237-14-67-02108

9. This country's Minister of Defense sent bags of sausages to its army after misinterpreting a coded request for grenades. A coup occurred here shortly after William Waterlow was tricked into printing thousands of this country's bank notes. Zeca, a dissident folk singer from this country, composed the song "Grandola." The Aginter Press trained fascist terrorists in this country's capital, where Rhodesia established an independent diplomatic mission under Harry Reedman. Opposition leader Humberto Delgado was murdered by its secret police, the PIDE. Once ruled by Marcelo Caetano, this country lost former colonies like Goa and Angola during its Colonial Wars. For 10 points, name this country where the Carnation Revolution toppled Antonio Salazar's Estado Novo.

ANSWER: **Portugal**

252-14-67-02109

10. D. Z. Phillips denied that religious beliefs are isolated kinds of these phenomena. Jean-François Lyotard argued that since the death of metanarratives, ideas of justice and social bonds consist of incommensurable, fragmented examples of these phenomena. David Lewis uses examples of presupposition and permissibility in a paper on score-keeping in one of these. First devised in conversations with Friedrich Waismann, this concept is a spoken component of a form of life. One example of these uses letters as numerals, includes words such as "block," "pillar," "slab," and "beam," and is used to communicate between a builder and his assistant. For 10 points, name this concept from Wittgenstein's *Philosophical Investigations* that denotes a simple, rule-bound set of utterances and the actions associated with them.

ANSWER: **language games** [prompt on partial answer; prompt on "phrase regimen"]

237-14-67-02110

11. The historian Ssu-ma Ch'ien related how this man hated scholars, going so far as to take the hat of any Confucian who visited him to piss in it. This man, who had seventy-six lucky moles on his left thigh, was commemorated by an empty seat placed under a lavish canopy in one of his capitals. This man's chancellor Xiao He helped make the legal code less severe. Early in his career, this one-time peasant killed the Lord of Pei and took that title for himself. This man was killed by a stray arrow when fighting Huai-nan. He was exiled to one of the Eighteen Kingdoms set up by a rival whom he later defeated at the Battle of Gaixia. This emperor moved the capital across the Wei River to Chang'an and was succeeded by Huidi. This rival of Xiang Yu defeated Emperor Zihing of the Qin dynasty. For 10 points, name this first Han emperor.

ANSWER: **Gaozu** [or **Liu Bang** or Han **Gaodi** or **Liu Pang** or **Gao** or **Ji**]

094-14-67-02111

12. People referred to as *miliarii* were honored for being particularly good at this activity. The *diversium* was used to determine skill during these events. Although it doesn't involve ships, *Naufragia* frequently occurred during these events and performers in these events were referred to as *Aurigae*. The biga and quadriga were used in this activity. The third word in the Juvenal phrase *panem et circenses* refers to this activity as these events took place in a circus, and the Whites and Greens were two of the factions who took part in this activity. For ten points, name these events of ancient Rome that frequently took place in the Circus Maximus, in which people raced around a track in carts and that was famously depicted in *Ben Hur*.

ANSWER: **chariot races** [or **chariot games**]

250-14-67-02112

13. One enzyme that regulates synthesis of this molecule is phosphorylated on its Ser-9 or Ser-21 residues by both Akt and protein kinase A. That enzyme is inhibited by p90Rsk and also phosphorylates beta-Catenin in the Wnt pathway. Synthesis of this molecule begins with the activity of phosphoglucomutase, which is followed up by the addition of uridine triphosphate. Pompe's disease occurs when lysosome can't break this molecule down and is one of this molecule's namesake "storage diseases" along with Von Gierke's disease. This molecule has a branching enzyme that generates alpha-1,6-glycosidic linkages. Pyridoxal phosphate is a necessary cofactor for this enzyme's namesake phosphorylase, which increases blood sugar levels. Its plant counterpart is amylopectin. For 10 points, name this storage molecule whose formation is promoted by insulin, found primarily in the liver and muscles.

ANSWER: **glycogen** [accept **GSK3** before "phosphoglucomutase"]

245-14-67-02113

14. The Yale tablet YBC7289 proved that this empire had an understanding of irrational numbers such as root two. They are not Egyptians, but this empire used the method of false position to solve systems of linear equations, in which the values for the variables were estimated by trial-and-error. One discovered artifact from this empire contains an error in Row 15 where the number fifty three should be replaced with one comma forty six. That tablet from this empire contains a list of Pythagorean triples and is the Plimpton 322. That data was first interpreted by Abraham Sachs and Otto Neugebauer. A famous mathematician and astronomer from this empire was Kidinnu. This empire used a base-60 numeric system. For 10 points, name this empire that, like the Akkadians and Sumerians, wrote their mathematics on clay.

ANSWER: **Babylonian** empire [do not accept or prompt on "Akkadian", "Sumerian", etc. as all of these clues distinctly refer to Babylon]

245-14-67-02114

15. One character in this story writes a letter explaining how he has "climbed the summits of Elbruz and Mount Blanc" through books and attacks another for "[marveling] if suddenly apple and orange trees should bear frogs and lizards instead of fruit". Two gunshots are fired in this story to confirm that one character has perfectly translated a letter into five languages. A man in this work turns to the Gospels in his tenth year, having previously abandoned books with a "light character". That man is almost murdered after another loses his fortune on the stock exchange, but he voluntarily walks out of his cell five hours short of 15 years. For 10 points, name this Anton Chekhov short story where a banker offers two million rubles if a lawyer can live in extended solitary confinement.

ANSWER: "The **Bet**" [or "**Pari**"]

094-14-67-02115

16. In a 1969 story, this character shut down a gang of female hippies who forced beating victims to wear dog collars, known as THEM! In a 2009 storyline, this character faced off against Felix Faust and T.O. Morrow's creation Genocide, who sent this character's friend Etta Candy into a coma. This character's original foes included the Earl of Greed and Duke of Deception, and her modern arch-nemesis is the evil cannibal archaeologist Barbara Minerva, who uses the identity The Cheetah. This hero had an ongoing rivalry with Doctor Cyber during the era when she was a karate champion instead of having superpowers, which was protested by Gloria Steinem. For 10 points, name this character who also squares off against Circe, Ares, and other Greek mythology-themed opponents, as she is an Amazon from Themiscyra who is the most prominent female superhero in the DC universe.

ANSWER: **Wonder Woman** [or **Diana**]

019-14-67-02116

17. In this non-Iranian city's Garden of Ridvan, Bahauallah declared the beginning of Bahai. This city's Church of Mary Mother of Sorrows is where Louis Raphael Sako currently sites as the head of the Chaldean Catholics. Mosques in this city include the incomplete Al-Rahman, the Al-Kadhimiya where Musa al-Kadhim and Muhammad at-Taqi are buried, and the Mother of All Battles Mosque. This is the third-holiest city of Shia Islam, and the capital of the second-largest country with a Shia majority. For 10 points, name this city where several incomplete mosques were begun under the rule of Saddam Hussein.
ANSWER: **Baghdad**

019-14-67-02117

18. The protagonist of this novel sneaks into a friend's bedroom and finds him wearing tight pants, a helmet, and a breastplate. A character in this novel claims that there is a "torturable class" of people, owns a cigarette case made of human skin, and is sprayed with water while crashing a birthday dinner. In this novel, two characters drive to the Shanghai club and pick up a random stripper after a pilot named Raul is killed in a car crash. In a climactic scene of this novel, a daschund dies after drinking poisoned whiskey at a dinner of the European Trader's Association. To support his Catholic daughter Milly's interest in horse riding, the protagonist takes a job in which he passes off vacuum cleaner schismatics to his boss, Hawthorne. For 10 points, name this novel about James Wormold's misadventures as a spy in Cuba by Graham Greene.
ANSWER: **Our Man in Havana**

252-14-67-02118

19. One piece for this instrument has six numbered sections centered on the note A which must be played in a fixed order, interspersed with five lettered sections which may be played in any order. The first notated multiphonic for this instrument was a G-C perfect fourth from Luciano Berio's *Sequenza I*. Brian Ferneyhough wrote *Cassandra's Dream Song* for this instrument. Another piece for it is built out of a modal and an atonal motif, and begins F-E-F sharp. As a test piece for entrance to the Paris Conservatoire, Olivier Messiaen wrote *Le Merle Noir* for this instrument. For a platinum one of these instruments, Edgard Varèse wrote *Density 21.5*. For 10 points, name this instrument for which Claude Debussy wrote *Syrinx* and the opening solo of *Prelude to the Afternoon of a Faun*.
ANSWER: **flute**

237-14-67-02119

20. One high-performance system for managing these entities makes use of a pointer called an extent and is named Veritas. The IBM VM/CMS maximized performance by requiring contiguous allocation for these things. In some implementations, their locations are stored in a data structure called an inode. Aliases for these things can be created by symbolic links. Cached information about these entities can be stored in a descriptor or handle after the initial open command is called. Their underlying technology is called "cooked" when a system for storing them exists on the partition. Systems for managing these entities include NTFS and FAT, which stores them across a disk. For 10 points, name these entities typically stored in directories on a computer, exemplified by MP3s and Word documents.
ANSWER: **files** [accept **file** systems; accept **directories** before mentioned]

094-14-67-02120

21. A prize fighter in this novel tells the narrator, "look out for those fanatics, they're the worst cloppers around" and is named Tony Savo. Despite constantly using military terms, a coach named Mr. Galanter is evasive in regards to why he doesn't enlist in World War II in this novel. One character in this novel is never directly spoken to by his father and clashes with Professor Appleman. The two protagonists are forbidden from speaking to each other after the narrator's father gives a speech at Madison Square Garden advocating for the creation of Israel. Those two main characters meet after one of them intentionally hits a baseball at another, hospitalizing him. Danny ultimately decides to become a Freudian psychologist while Reuven becomes a Rabbi in, for 10 points, what Chaim Potok novel?

ANSWER: *The Chosen*

094-14-67-02121



1. Phillip Lopate's anthology of this genre declared the 1950s through 70s as its "Golden Age", including entries from *Circles and Squares* author Andrew Sarris in that section. For 10 points each:

[10] Identify this genre of literature. A Manny Farber work in this genre distinguished between White Elephant Art and Termite Art.

ANSWER: **film criticism** [or **movie reviews**]

[10] This film critic was the subject of the 2014 documentary *Life Itself* by *Hoops Dreams* director Steve James. On his influential TV show, this critic gave a rave review of *Hoop Dreams* after seeing it at Sundance before the film had a distributor.

ANSWER: Robert **Ebert**

[10] This critic's "final conversation" was collected in the 2003 book *Afterglow*. This champion of *Bonnie and Clyde* wrote collections like *I Lost it at the Movies* and *When the Lights Go Down*.

ANSWER: Pauline **Kael**

094-14-67-02201

2. The northern reaches of this preserve comprised the dukeries of Thoresby, Clumber, and Welbeck. For 10 points each:

[10] Name this central English forest which surrounds Edwinstowe and was legendarily the home of Robin Hood.

ANSWER: **Sherwood** Forest

[10] Sherwood Forest comprises a large section of this East Midlands county, found between Derbyshire and Lincolnshire and governed from West Bridgford.

ANSWER: **Nottinghamshire**

[10] This large, warped tree outside of Edwinstowe is legendarily where the Merry Men slept, and is one of the Fifty Great British Trees.

ANSWER: **Major Oak**

019-14-67-02202

3. With Hans Queisser, this scientist discovered that the efficiency of a basic solar cell is limited at about 34%, and he developed a four-layer device that would turn on or off at a breakover voltage. For 10 points each:

[10] Name this scientist whose namesake semiconductor laboratory was funded by Arnold Beckman. His autocratic leadership style caused the "traitorous eight" to leave his lab.

ANSWER: William Bradford **Shockley**, Jr.

[10] The "traitorous eight" founded this company, which spun off into dozens of companies, including AMD and Intel. This company developed the first commercial mesa transistors.

ANSWER: **Fairchild** Semiconductor

[10] With Jack Kilby of Texas Instruments, Robert Noyce of Fairchild developed the first integrated circuit, resulting in this nickname for the Bay Area computing industry. Fairchild incubated many early startups here.

ANSWER: **Silicon Valley**

237-14-67-02203

4. After this woman's lawyer faced trouble convincing the judges in the Areopagus of her innocence, the lawyer decided to strip her naked and ask, "So, gentlemen is it not apparent this woman is marked with the divine?" For 10 points each:

[10] Identify this Athenian prostitute successfully defended by her one-time client Hypereides.

ANSWER: **Phryne** [or **Mnesarete**]

[10] Phryne charged a variable rate for her services, giving this public masturbator pro bono treatment. This Sinope native advocated that men live natural lives in his lost *Republic* and was fond of carrying a lantern around in broad daylight.

ANSWER: **Diogenes**

[10] Another Cynic, Krates, observed that the statue of Phryne next to the one of a Spartan king with this name represented the "incontinence of the Greeks". The second king of this name signed the Thirty Years' Peace with Pericles and tried to prevent the outbreak of the Peloponnesian War.

ANSWER: **Archidamus**

094-14-67-02204

5. The letters "Kv.F" and the number 24 can be seen amongst the flags in this painting. For 10 points each:

[10] Name this 1914 painting by "the painter of Maine", Marsden Hartley. It was painted in memory of Hartley's friend Karl von Freyburg who had died in battle.

ANSWER: **Portrait of a German Officer**

[10] In Berlin, Hartley was influenced by this Russian Expressionist of various *Compositions* and *Improvisations*. One of his paintings names a group whose members included August Macke.

ANSWER: Wassily (Wassilyevich) **Kandinsky**

[10] This other artist included a postage stamp and a thermometer in his 1914 work, *Reservist of the First Division*. The title Red Cavalry ride over a landscape of differently colored lines in a painting by this artist of *Black Circle* and *Black Square*.

ANSWER: Kazimir (Severinovich) **Malevich**

094-14-67-02205

6. This group gives its name to a sextet whose music is released on Cantaloupe Music, and it also sponsors the Asphalt Orchestra. For 10 points each:

[10] Name this contemporary classical music organization founded by David Lang, Michael Gordon, and Julia Wolfe known among other things for their Marathon Concerts in New York City.

ANSWER: **Bang on a Can**

[10] Bang on a Can produced a noted recording of this Terry Riley piece in which one musician plays an eighth-note pulse while other musicians move through 53 repeated phrases at will.

ANSWER: **In C**

[10] Bang on a Can has also hosted performances of Glenn Branca's symphonies for orchestras of electric versions of these instruments. It plays over a tape in Steve Reich's *Electric Counterpoint* and is the solo instrument of Joaquín Rodrigo's *Concierto de Aranjuez*.

ANSWER: **guitar**

237-14-67-02206

7. This book was the sequel to an earlier exploration of baseball, *Out of My League*. For 10 points each:
[10] Name this 1966 journalistic account by George Plimpton of playing quarterback for Detroit during training camp despite no previous football experience.

ANSWER: **Paper Lion**

[10] In the early 1980s, Plimpton appeared in relentless commercials for this system which competed with the Atari 2600. Popular games for this Mattel-produced game console included *Major League Baseball* and *Astrosplash*, though its bizarre controller featuring a directional disc and a phone-style number pad hurt its popularity.

ANSWER: **Intellivision**

[10] Stefan Fatsis's 2008 book *A Few Seconds of Panic* duplicated Plimpton's experiment with this team, which started Knowshon Moreno at running back in its 2013 conference championship run.

ANSWER: **Denver** Broncos [or Denver **Broncos**]

019-14-67-02207

8. The answer to this question mentions the "usual cabal," including "the woman he knew" and "the woman he did not know." For 10 points each:

[10] Give this four word question prompted by the death of a character who is found with a stone in his mouth at the bottom of a harbor. It is shouted at the Brazen Head during a performance by Magnus Eisengrim.

ANSWER: **"Who killed Boy Staunton?"**

[10] Boy Staunton was born in this town, as was Dunstan Ramsay. A series named for this town begins when Boy throws a snowball that hits Mary Dempster and causes her to give birth prematurely.

ANSWER: **Deptford**

[10] Robertson Davies, the author of *The Deptford Trilogy*, is from this country, also home to a woman who wrote a novel about Offred and the Commander.

ANSWER: **Canada**

252-14-67-02208

9. This property holds for impure functions that do not cause side effects. For 10 points each:

[10] Identify this property of some programming languages where a function can be replaced with its value.

ANSWER: **referential transparency**

[10] Referential transparency is provided in languages in this programming paradigm, examples of which include Haskell and Scheme. These languages are contrasted with imperative languages like C.

ANSWER: **functional** programming

[10] Referential transparency makes this process easier, which is performed by tools like lint and FxCop. Although a perfect form of this process is impossible due to the decision problem, it can be used to detect things like poor code style and security bugs without executing the code.

ANSWER: **static** code analysis [or **static** program analysis or **static** validation]

094-14-67-02209

10. This style was marked by inspiring tales of sacrificing one's children to complete dams and by a lack of experimentation with form. For 10 points each:

[10] Name this official artistic-literary style of the Soviet Union.

ANSWER: **socialist realism**

[10] This culture commissar's namesake manifesto stated "The only conflict that is possible in Soviet culture is the conflict between good and best." He was in charge of censorship under Stalin.

ANSWER: Andrei **Zhdanov**

[10] This member of the Serapion Brothers raised Zhdanov's ire with satires such as *A Man is Not a Flea* and *Youth Restored*. He failed to get back into favor by writing several children's books about the life of Lenin.

ANSWER: Mikhail **Zoschenko**

019-14-67-02210

11. One proposed solution to this problem proposes the Higgs boson as a composite particle. For 10 points each:

[10] Name this conundrum which asks why the weak force is so much stronger than gravity.

ANSWER: **hierarchy problem**

[10] This theory solves the hierarchy problem via gauge coupling unification. It states that there exists a fermion for every boson.

ANSWER: **supersymmetry** [or **SuSy**]

[10] In supersymmetry, this is the name given to the hypothetical superpartner sparticle of the up quark.

ANSWER: **sup squark**

245-14-67-02211

12. Identify the following about some American poets that critic William Logan takes down in his essay collection *Our Savage Art*, for 10 points each.

[10] Logan asserts that, were this poet "unfortunate enough to develop Alzheimer's, the poems wouldn't change a bit". This man's poems have been published in collections like *Plainsphere* and *Self-portrait in a Convex Mirror*.

ANSWER: John (Lawrence) **Ashbery**

[10] Logan claims that "I should have reviewed [this man's] *Nine Horses* months ago, but I couldn't stand the excitement". This "Caspar Milquetoast of contemporary poetry" published collections like *The Apple That Astonished Paris* and *Horoscopes for the Dead*.

ANSWER: Billy **Collins** [or William James **Collins**]

[10] According to Logan, the only way that this poet could have improved his poem "Ommateum" "would have been to burn it." Logan disputes the notion that this poet of the collections *Corsons Inlet* and *Garbage* was an outsider artist, noting that he had an M. A. in English from Berkeley.

ANSWER: A. R. **Ammons** [or Archie Randolph **Ammons**]

094-14-67-02212

13. These types of events were first conducted during the Land Reform Movement and were a frequent form of punishment for one-time vice-chairman of the Central Advisory Commission Bo Yibo. For 10 points each:

[10] Identify these humiliating events where the victim would be insulted and beaten up for being a class enemy of the Communist Party.

ANSWER: great **struggle sessions** [or **struggle meetings** or **judgment sessions** or **pipan** douzheng or **pidou** dahui or **thab dzing**]

[10] Struggle sessions were a staple of this period of Mao's rule, which also saw the ouster of Liu Shaoqi and the formation of the Red Guards.

ANSWER: The Great Proletarian **Cultural Revolution**

[10] This one-time head of the All-China Anti-Japanese Writers Federation died during the Cultural Revolution. Officially he drowned himself in Taiping Lake in August 1966, although he may have been beaten to death.

ANSWER: **Lao She** [or **Shu** Qingchun or **Shu** Sheyu; prompt on "Lao"]

094-14-67-02213

14. Answer some questions about the evolution of language, for 10 points each:

[10] The two amino acid differences between humans and other apes in this gene are presumed crucial for the evolution of spoken language. A mutation in this gene, which codes for a highly conserved transcription factor, caused verbal dyspraxia in members of the KE family.

ANSWER: **FOXP2** [or **forkhead box protein P2**]

[10] Adult humans are the only apes to have a descended version of this neck organ, often called the voice box because it houses the vocal cords.

ANSWER: **larynx**

[10] The linguistic skills of non-human primates have been explored using this simple language comprising 125 lexigrams. With John Dodson, its namesake is also the first namesake of a law describing the relationship between performance and arousal.

ANSWER: **Yerkish**

237-14-67-02214

15. Some 115 witnesses gave testimony at this event. For 10 points each:

[10] Identify this event begun during the reign of Pope Nicholas V and finished during the reign of Calixtus III. After seven years, it reversed the verdict of a previous tribunal in Rouen and prepared the way for the canonization of the central figure by Benedict XV almost 500 years later.

ANSWER: the **retrial** of **Joan of Arc** [or the **nullification trial** of **Joan of Arc**; accept stuff like **Jeanne d'Arc** or the **Maid of Orleans** for Joan of Arc; do not accept or prompt on just "trial of Joan of Arc" because that refers to something else]

[10] Nicholas V, one of the first Humanist popes, spent some thirty thousand gold florins to accumulate one of these collections for the papacy. Ashurbanipal lends his name to one of these places in Mesopotamia.

ANSWER: papal **library**

[10] Nicholas persuaded an antipope with this name, generally regarded as the last antipope in history, to abdicate. A saint with this name co-founded the Trinitarians with St. John of Malta, while a Spanish bishop of this name was the chief advocate of Adoptionism in the late 8th century.

ANSWER: **Felix**

094-14-67-02215

16. This building is explicitly noted to be hemmed in by "desolate marshes and treacherous swamps," creating a set list of potential murderers. For 10 points each:

[10] Name this country estate served by the maid Mrs. Drudge, where Major Magnus and others try to find out who caused a corpse to appear on the floor.

ANSWER: **Muldoon** Manor

[10] Muldoon Manor is the setting for the play-within-the-play in this Tom Stoppard comedy, in which Birdboot and Moon become involved in the mystery farce they are reviewing.

ANSWER: *The **Real Inspector Hound***

[10] Muldoon Manor is a parody of Monkswell Manor, the location of this archetypal British stage mystery, which hit its 25,000th performance in 2012.

ANSWER: *The **Mousetrap***

019-14-67-02216

17. This philosopher coined the term "intentional stance" for the attitude we take toward entities we perceive to have beliefs and desires. For 10 points each:

[10] Name this American philosopher who attacked the unitary Cartesian theatre and proposed the alternative Multiple Drafts model in *Consciousness Explained*.

ANSWER: Daniel Clement **Dennett III**

[10] Dennett describes John Searle's Chinese Room thought experiment as one of these scenarios framed to elicit an instinctual, though often false, answer. The title of a 2013 book by Dennett mentions them among "other tools for thinking."

ANSWER: **intuition pumps**

[10] Dennett takes a strongly adaptationist position in a book about this scientist's "dangerous idea," which attacks the pluralism of Steven Jay Gould. Dennett claims that this man's theories explain the appearance of design in biology.

ANSWER: Charles Robert **Darwin**

237-14-67-02217

18. Answer some questions about the Unified Neutral Theory of Biodiversity proposed by Stephen Hubbell, for 10 points each:

[10] Neutral theory assumes that trophically similar species do not differ in this entity, the set of environmental conditions under which the species can persist. G. Evelyn Hutchinson defined this entity as an n-dimensional hypervolume, and distinguished its realized and fundamental kinds.

ANSWER: **niche** [prompt on "habitat"]

[10] This framework proposed by E. O. Wilson and Robert MacArthur also assumes neutrality between species. It explains species richness on the namesake geographic features as an equilibrium between extinction and colonization.

ANSWER: theory of **island biogeography**

[10] As evidence for neutral theory, Hubbell pointed to this pattern, which Frank Preston claimed was Gaussian when the x-axis was binned into octaves. The first chapter of *The Theory of Island Biogeography* derives the species-area relationship from it.

ANSWER: **species abundance distribution** [or **SAD**; or **canonical** lognormal **distribution**; accept any answer denoting the distribution of abundance (or commonness) of species]

237-14-67-02218

19. After its death, the last of these creatures was placed in a large block of ice and shipped to DC to be put on display in the Smithsonian. For 10 points each:

[10] Identify this now extinct bird, whose last known member, Martha, died in a Cincinnati zoo. They were legendary for their sky-blackening migrations.

ANSWER: **passenger pigeon** [do not accept "carrier pigeon"; prompt on just "pigeon"]

[10] Perhaps one reason for the passenger pigeon's extinction was that it was a great source for food during economic downturns, such as in this state in 1781. Fort William and Mary was raided in this present-day state in 1774 by its future governor, John Sullivan.

ANSWER: **New Hampshire**

[10] This 1900 law was the first to protect the nation's birds. Named for an Iowa representative and lobbied for by the Boone and Crockett Club, it has recently been used against Gibson Guitars for trafficking in exotic woods.

ANSWER: **Lacey** Act of 1900

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20. This man founded the Order of Interbeing and urged Martin Luther King, Jr. to condemn the Vietnam War, after which King nominated him for a Nobel Peace Prize. For 10 points each:

[10] Name this Zen Buddhist monk from Vietnam, the author of *The Miracle of Mindfulness*, who developed a socially conscious Emerging Buddhism in books like *Vietnam: Lotus in a Sea of Fire*.

ANSWER: Thích **Nhat Hanh**

[10] Nh?t H?nh is one of the most noted representatives of Buddhism today, along with this head of the Gelug school currently exiled in Dharamsala, India.

ANSWER: Jetsun Jamphel Ngawang Lobsang Yeshe **Tenzin Gyatso**, the 14th **Dalai Lama** [accept either underlined portion]

[10] Both Nh?t H?nh and the Dalai Lama conversed with this Trappist author of *The Seven Storey Mountain*, whose dialogues with D. T. Suzuki were included in works like this man's *Zen and the Birds of Appetite*.

ANSWER: Thomas **Merton**

237-14-67-02220

21. One of the first of these religious buildings was built in Kirtland, Ohio and most of these buildings face east to hopefully catch the first glimpse of Christ's Second Coming. For 10 points each:

[10] Name these buildings that normally have a spire containing a statue of Moroni.

ANSWER: **Mormon** Temples [accept **LDS** Temples; accept Temples of the **Church of Jesus Christ of Latter Day Saints**]

[10] In a Mormon temple you would probably meet a member of this class of priests. This class, the lesser of the two Mormon priestly classes, mostly contains males before the age of 18.

ANSWER: **Aaronic** Priesthood [accept Priesthood of **Aaron**; accept **Levitical** Priesthood]

[10] If you're lucky, while visiting you may see one of these exciting ceremonies where Mormons receive their garments for the first time. During this ceremony, people walk around, knock on veils and give the Sign of the Nail.

ANSWER: **Endowment** Ceremony

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