



1. The protagonist of one of this author's novels was forced to read the *Code of Manu* in his youth. He created a character who wishes to pick flowers for a dead black dog found at the top of a waterfall. That character eventually retires to Gesshu Temple, while the protagonist goes to Chakri Palace to visit a Thai princess. In one of his works, Ying Chan and the nationalist Isao Inuma are thought to be reincarnations of the protagonist's friend Kiyooki Matsugae. Those aforementioned characters appear in a series including *Runaway Horses* and *Spring Snow*. For 10 points, name this Japanese author of a tetralogy of novels about Shigekuni Honda, *The Sea of Fertility*.

ANSWER: Yukio **Mishima**

192-13-83-20101

2. Two answers required. One of these people pees through the middle of a myrtle wreath held up by the other in a bizarre painting by Lorenzo Lotto. One of them, carrying a honeycomb, is covered in bees in a painting of these people by Cranach the Elder. A mischievous boy prepares to throw pink flowers over these two people as they make out and fondle in a painting whose background features a creepy little girl with lion's legs and a snake's tail. The elder of these people looks into a pink silk-draped mirror held up by the other in a Diego Velazquez painting now in Rokeby Park. For 10 points, name this mother-son pair depicted by Agnolo Bronzino along with Folly and Time.

ANSWER: **Venus** and **Cupid** [or **Aphrodite** and **Eros**]

080-13-83-20102

3. Bipolarons are used to explain the electrical properties of conducting varieties of these substances. An aquamelt is this type of compound that can lose water and solidify in response to stress from the environment. Above one phase transition temperature but below the melting point, these substances can crystallize into spherulites. Side chains on these compounds are known as pendant groups, and their arrangement determines their tacticity. Extending these compounds can be done through step-growth or chain-growth manners. Synthetic examples of these compounds include nylon and polystyrene. For 10 points, name these long compounds formed from the linkage of many monomers.

ANSWER: **polymers**

140-13-83-20103

4. One man who held this profession based many of his ideas on the principle of socialitas and became royal historiographer in Sweden, where his reputation was defended against attacks by Leibniz. In England, this profession arose out of Henry II's 1166 Assize of Clarendon. Another man primarily of this profession wrote *De Indis*, out of which came his *Mare Liberum*, but his best known work was written during Spanish occupation of his country during the Eighty Years War. "On the Duty of Man and Citizen" was written by Samuel von Pufendorf, one of these men. For 10 points, name this profession held by an advocate of the freedom of the seas and just war, Hugo Grotius.

ANSWER: **jurists** [or **lawyers**; or answers suggesting **philosophers of law**; prompt on **philosophers**]

020-13-83-20104

5. The composer of this piece acknowledged the musician Sebastien Yradier for providing the melody, which he had mistakenly believed had come from a folk song. This piece draws a comparison to a "princess of Bohemia," which has "never, never known the law." The melody of this piece, which initially proceeds as a descending chromatic line of four-bar phrases, inverts from a major to a minor triad as the chorus shouts "Watch out!" The mezzo-soprano singer of this piece reaches a fifth octave F-sharp and claims to prefer a silent rather than a talkative man. This piece is about a "gypsy's child," a "rebellious bird that none can tame." For 10 points, name this song about the nature of love, a first act aria from *Carmen*.

ANSWER: "**Habanera**" [accept "L'**amour est un oiseau rebelle**" and "**Love is a rebellious bird**" before "rebellious" is read; prompt on *Carmen*]

020-13-83-20105

6. In 1970, this country was the landing site of three international airplanes hijacked by the PFLP, which were blown up at a deserted airstrip called Dawson's Field. Soldiers from this country formed the Arab Legion, a force under the command of British officer John Glubb. A ruler of this country had to ask Israel and the United States for assistance against Syria during Black September, in which it expelled its Palestinian refugees. In the Six-Day War, this country lost East Jerusalem and the West Bank to Israel. For 10 points, name this Arab country whose Hashemite kings have included Hussein and Abdullah II.

ANSWER: Hashemite Kingdom of **Jordan** [or Al Mamlakah **al Urduniyah** al Hashimiyah]

080-13-83-20106

7. This philosopher used the term "natality" to refer to the role of birth as a rich metaphor for political change. In one essay, this philosopher explained Melville's *Billy Budd* as an allegory of the French Revolution, and concluded that idealistic violence and "absolute goodness" are as threatening as absolute evil. This thinker analyzes de Gobineau and other pioneers of "race-thinking" as precursors to imperialism in the middle section of a book that examines the commonalities between Germany and the Soviet Union in the 1930s. She spent four days attending the trial of a man in a glass box to write another book about the "banality of evil." For 10 points, name this philosopher who wrote *The Origins of Totalitarianism* and *Eichmann in Jerusalem*.

ANSWER: Hannah **Arendt**

019-13-83-20107

8. One poem in this collection asks, "What use is my sense of humor?" before concluding, "We are all old-timers, each of us holds a locked razor." The speaker of another poem in this collection notes, "All night I've held your hand" before describing how "your old-fashioned tirade...breaks like the Atlantic Ocean on my head." The speaker climactically hears his "ill-spirit sob in each blood cell" in another poem in this collection also containing "Man and Wife." By dealing with topics such as the author's mental illness, this collection launched the Confessional poetry movement. For 10 points, name this collection including "Skunk Hour," a major work of Robert Lowell.

ANSWER: **Life Studies**

014-13-83-20108

9. For a spin glass, the natural log of this function can be computed using the replica trick. This value is expanded into a power series in the Mayer cluster expansion. For a gas of  $N$  identical particles, this value is equal to  $1$  over the quantity  $N$  factorial times  $h$  to the  $3N$  all times an integral. Taking the derivative of the log of this quantity with respect to the thermodynamic beta can be used to prove the result that each degree of freedom of a system contributes the same amount of energy to a system. This quantity is the sum over all of the Boltzmann factors of a system, and its natural log is multiplied by negative  $kT$  to give the Helmholtz free energy. For 10 points, name this value important in describing canonical ensembles in statistical mechanics, symbolized  $Z$ .

ANSWER: **partition function** [accept **Z** before mention]

048-13-83-20109

10. The speaker of this poem invokes “Sad Patience, too near neighbor to Despair” in describing how “we others pine, and wish the long unhappy dream would end, and waive all claim to bliss.” The speaker of this poem says, “Thou hadst one aim, one business, one desire: else wert thou long since numbered with the dead,” in reference to the title character, who averts “this strange disease of modern life” and perpetually waits for “the spark from Heaven.” A passage in “Glanvil’s book” describes the title student of this poem, who leaves Oxford to join a band of Roma. For 10 points, name this poem by Matthew Arnold.

ANSWER: “The **Scholar-Gipsy**”

014-13-83-20110

11. One person currently serving in this position offered an amendment to the 2013 omnibus immigration bill allowing for undocumented immigrants to be employed only as domestic servants. That person in this position is a cousin of Democrats Mark and Tom Udall. The senior holder of this position has twice defeated Scott Howell for re-election, and the junior holder of this position won a primary against incumbent Bob Bennett in 2010. The senior holder of this position alternated control of the Judiciary Committee several times with Patrick Leahy and has a side career as a songwriter. For 10 points, name this office, currently held by Republicans Mike Lee and Orrin Hatch.

ANSWER: United States **Senator** from **Utah** [prompt on partial answer]

019-13-83-20111

12. One composer revisited music from his student days to write two of these pieces "From Old Notebooks" and created three dissonant ones to express his true feelings about writing a cantata celebrating Stalin's birthday. Another of these pieces pioneered the double-function form and condensed four movements into one continuous one. Besides those "War" ones by Prokofiev and Liszt's only one in B minor, one of them includes an unusual, technically demanding Baroque contrapuntal three voice fugue. Another of these works, styled "in the manner of a fantasy," was named for its similarity to a scene upon Lake Lucerne. For 10 points, name these pieces, including Beethoven's *Hammerklavier* and *Moonlight*, written for a solo keyboard instrument.

ANSWER: **piano sonatas** [prompt on **sonatas**]

020-13-83-20112

13. With a German, this man names a method in which classical analysis is performed then an orbit constrained to an integral number of de Broglie wavelengths to avoid destructive interference. One result of this physicist, that was rediscovered by van Leeuwen, states that classical magnetism does not exist in thermal equilibrium. With Wolfgang Pauli, this scientist developed the Aufbau principle. This man introduced complementarity and proposed that angular momentum was quantized, allowing him to derive a theoretical backing for the Rydberg Formula. For 10 points, name this originator, with Heisenberg, of the Copenhagen interpretation whose model of the atom had electrons in quantized orbits.

ANSWER: Niels **Bohr**

190-13-83-20113

14. This poem describes how “only reapers, reaping early in among the bearded barley, hear a song that echoes cheerly.” In its third section, a “gemmy bridle” is compared to “some branch of stars we see hung in the golden galaxy.” This poem’s final section describes “a carol, mournful, holy,” chanted by a woman “till her blood was frozen slowly.” The title character of this poem “weaves by night and day a magic web with colors gay” as “shadows of the world appear” in her mirror. For 10 points, name this poem by Lord Tennyson about a woman who is cursed when she looks upon Sir Lancelot.

ANSWER: “The **Lady of Shalott**”

014-13-83-20114

15. After repeated harassment by the "press lords," this prime minister claimed that journalists enjoyed "power without responsibility, the prerogative of the harlot throughout the ages." This leader's government passed the Trade Disputes Act, which declared general strikes illegal, after weathering the only general strike in British history. This cousin of Rudyard Kipling highlighted the power of aerial attacks by noting that "the bomber will always get through." This successor to Andrew Bonar Law returned Britain to the gold standard, signed the Locarno Pact, and weathered the abdication of Edward VIII. For 10 points, name this Conservative prime minister who led Britain through much of the interwar period.

ANSWER: Stanley **Baldwin**

080-13-83-20115

16. This non-bone structure is depressed with the aid of four strap muscles. When diphtheria spreads to this structure, it results in a higher than average fever and the greatest chance of complications. This structure has three paired cartilages and three single ones, including the cricoid and the thyroid. As an infant grows into an adult, this structure lowers from the C2-C3 vertebrae to the C3-C6. This structure sits atop the hyoid bone and lies directly below the epiglottis, which prevents substances from entering it. This structure's main function is known as phonation and is accomplished by the vibration of some folds. For 10 points, name this structure that houses the vocal cords, commonly known as the voice box.

ANSWER: **larynx** [accept **voice box** before it is mentioned]

020-13-83-20116

17. Gibson's paradox is the fact that while the gold standard was in force, this value was positively correlated with the wholesale price level rather than inflation. The Mundell-Fleming model shows that the global version raises the local version. It is the dependent variable for the LM curve in the IS/LM model, as greater output increases the demand for money and causes this value to increase to keep it in equilibrium with supply. The Fisher equation shows the nominal version of this to be approximately equal to the real type plus the rate of inflation. For 10 points, name this cost of borrowing money.

ANSWER: **interest** rate

121-13-83-20117

18. The speaker of a poem about this man mockingly asks "And who's this little fellow in his itty-bitty robe?"; that poem, titled for his "first photograph", is by Wislawa Szymborska. Konrad Kujau was the actual author of a work attributed by Hugh Trevor-Roper and others to this man. In a controversial George Steiner novel, a group led by Emmanuel Lieber tracks this man down in the Amazon jungle. A 1941 play satirizes this man as a Chicago mobster who attempts to gain control of the cauliflower racket. This subject of Brecht's *The Resistible Rise of Arturo Ui* also appears in a Yukio Mishima play about the deaths of Gregor Strasser and Ernst Roehm. For 10 points, identify this literary figure whose own writings include *Mein Kampf*.

ANSWER: Adolf **Hitler**

029-13-83-20118

19. The organizer of this project ran an essay contest with Hearst Newspapers that was won by William Burkett, whose writing was featured in the *Entablature*. Korczak Ziolkowski was booted from this project after getting into a brawl with the leader's son, Lincoln. Doane Robinson came up with the idea for this project, which Robinson originally suggested to honor Red Cloud. The overseer of this project was a Danish architect chosen while he was working on Georgia's Stone Mountain. For 10 points, name this project spearheaded by Gutzon Borglum, who created a monument to four presidents in the Black Hills.

ANSWER: construction of **Mount Rushmore**

080-13-83-20119

20. The skilled physician Eir is often theorized to be a form of, if not a companion of, this deity. In a euhemeristic story, this goddess once seduced a craftsman who tore down a gigantic statue of her husband. In another myth, one of this goddesses's attendants receives a golden ring whereas she herself receives a white linen robe. Another of her attendants rides the flying horse Hofvarpnir. In another story, this mistress of Fulla and Gna was shared between Vili and Ve during her husband's absence. A visitor to this goddess's hall of Fensalir manages to get her to reveal that she forgot to extract an oath from mistletoe, failing to secure complete invulnerability for her son. For 10 points, name this mother of Baldr, the wife of Odin.

ANSWER: **Frigga**

020-13-83-20120

21. Bernard Pyne Grenfell and Arthur Surridge Hunt found a group of these objects at Oxyrhynchus. A "Villa" from Herculaneum named for these things was owned by Lucius Calpurnius Piso and was copied directly in the Getty Villa. The "Rhind" one of these is a good source on ancient mathematics. These objects deteriorated with mold over the centuries in wet climates and could only survive in dry climates. Callimachus created the *Pinakes* as a classification system for these, many of which were produced in Alexandria. Many ancient texts were preserved on, for 10 points, what writing surface made from a wetland plant found in Egypt?

ANSWER: **papyrus** rolls [or **papyri**; or **papyrus** scrolls; prompt on **books**; prompt on **texts**]

080-13-83-20121

22. This city is the location of a complex designed by Steven Holl, in which eight residential towers form a rough U-shape connected by pedestrian sky bridges, named the Linked Hybrid. This city's Friendship Store was once the only place to buy Western products here and is located in the Jianguomnwai district. Rem Koolhaas designed this city's Central Television Building. A central building in this city features a massive red star on its ceiling surrounded by golden sunflower petals, and this city is the location of a stadium popularly known as the Bird's Nest. For 10 points, name this city that is the location of the Great Hall of the People on Tiananmen Square.

ANSWER: **Beijing** [or **Pei-ching**; or **Peking**]

030-13-83-20122

23. The breaking of the conformal symmetry of this quantity in the chiral limit in QCD gives rise to asymptotic freedom. Within a gauge theory, this quantity is invariant under local transformations, and the invariance of this quantity with respect to time gives rise to the conservation of energy by Noether's theorem. The derivative of this quantity with respect to a generalized coordinate is equal to the time derivative of the derivative of this quantity with respect to the time derivative of the generalized coordinate. The integral of this quantity gives the action and its Legendre transform gives the Hamiltonian. For 10 points, name this quantity equal to the kinetic energy minus the potential energy.

ANSWER: **Lagrangian**

048-13-83-20123



1. One character from this state, Dexter Green, works as a caddy when he falls in love with Judy Jones, and another character from this state marries Will Kennicott and moves to Gopher Prairie. For 10 points each:  
[10] Name this Midwestern state described in the short story "Winter Dreams" and the novel *Main Street*, both written by authors from this state.

ANSWER: **Minnesota**

[10] This man's novel about Minnesota, *Lake Wobegon Days*, was based off of material from his radio program, *A Prairie Home Companion*.

ANSWER: Garrison **Keillor**

[10] This owner of Birchbark Books in Minneapolis wrote the award-winning novels *Love Medicine* and *The Round House*.

ANSWER: Louise **Erdrich**

023-13-83-20201

2. Answer the following about the Great Railroad Strike in American history, for 10 points each.

[10] The Great Railroad Strike, the first general strike in American history, struck many of the nation's largest cities in this year. A cause of the strike was ongoing anger over the election of Rutherford B. Hayes, who was inaugurated as President in this year.

ANSWER: **1877** [do not accept or prompt on "1876"]

[10] The strike began with workers on this railroad, the first common carrier in the United States. Peter Cooper's *Tom Thumb* was tested on this railroad, which started in Maryland and went west.

ANSWER: **Baltimore and Ohio** Railroad [or **B and O** Railroad]

[10] The strike began in this state, which was governed by Francis Pierpoint during the Civil War. The Baldwin-Felts Detective Agency shot strikers in this state at the 1920 Battle of Matewan.

ANSWER: **West Virginia**

080-13-83-20202

3. This character is sentenced to death despite the efforts of his lawyer Boris Max. For 10 points each:

[10] Name this poor black man from Chicago who murders Mary Dalton and his girlfriend Bessie.

ANSWER: **Bigger** Thomas [or Bigger **Thomas**]

[10] Bigger Thomas is the protagonist of *Native Son*, a novel by this African-American author of *Black Boy*.

ANSWER: Richard **Wright**

[10] In *Black Boy*, Olin tries to trick Richard and Harrison into killing each other while Richard works at an optical shop in this city, from which he moves to Chicago. An illicit journey to this city is the subject of *The Reivers*.

ANSWER: **Memphis**, Tennessee

080-13-83-20203

4. These creatures received their name because of their performance in short distance races, and they are often used in cutting because of their cow sense. For 10 points each:

[10] Name this breed of horse typically used by cowboys in the American West.

ANSWER: American **Quarter** Horses

[10] This type of horse descended from Quarter Horses has patches of color and white, but is considered distinct from a Pinto.

ANSWER: **Paint** Horses [or **paints**]

[10] Horses are almost always measured from the ground to their withers using this measurement, which Henry VIII standardized at four inches.

ANSWER: **hands**

023-13-83-20204

5. This artist used a motif of interlocking crosses and octagons for the interior of a dome of a building dedicated to Charles Borromeo. For 10 points each:

[10] Name this Italian architect who designed the Oratory of Saint Philip Neri, the Sant'Ivo alla Sapienza, and the facade of the San Carlo alle Quattro Fontane.

ANSWER: Francesco **Borromini**

[10] Borromini was a notorious rival of this Baroque Italian sculptor of the *Fountain of the Four Rivers* and *Ecstasy of St. Theresa*.

ANSWER: Gianlorenzo **Bernini**

[10] Borromini and Bernini both worked on this bronze canopy in St. Peter's, whose spiral columns are inspired by the Temple of Solomon.

ANSWER: St. Peter's **Baldacchino**

080-13-83-20205

6. This character is made jealous by the protagonist's attentions to Madame de Fervaques. For 10 points each:

[10] Name this daughter of a marquis who becomes engaged to Monsieur de Croisenois despite her affections for Julien Sorel.

ANSWER: **Mathilde** de la Mole [prompt on **de la Mole**]

[10] Mathilde de la Mole appears in *The Red and the Black*, a novel by this French author.

ANSWER: **Stendhal** [or Marie-Henri **Beyle**]

[10] This protagonist of Stendhal's *The Charterhouse of Parma* travels to Naples under the patronage of Count Mosca and his aunt, Gina.

ANSWER: **Fabrice** del Dongo [or Fabrice **del Dongo**; or **Fabrizio** del Dongo; or Fabrizio **del Dongo**]

192-13-83-20206

7. This constant was first introduced by Arnold Sommerfeld. For 10 points each:

[10] Name this dimensionless quantity that is sometimes expressed as the product of the Coulomb constant and the square of the elementary charge over h-bar times the speed of light. Its magnitude is approximately 1/137.

ANSWER: **fine structure** constant

[10] The fine structure constant is the coupling constant for this fundamental force. Salam, Gashow, and Weinberg worked on unifying it with the weak force.

ANSWER: **electromagnetic** force or interaction [or **electromagnetism**]

[10] This interaction depends on the fifth power of the fine structure constant. It results from the two p one-half state of the hydrogen atom being slightly lower in energy than the two s one-half state.

ANSWER: **Lamb shift**

189-13-83-20207

8. This film has very little camera movement, apart from one scene in which one character watches from a high window as a man tries to get his friend to dunk a basketball. For 10 points each:

[10] Name this Milos Forman-directed film, starring Louise Fletcher, which captured all five Academy Awards in 1975.

ANSWER: ***One Flew Over the Cuckoo's Nest***

[10] This actor won an Academy Award for his performance as Randal McMurphy in the film. He's famous for yelling "Heeeeere's Johnny!" in *The Shining*.

ANSWER: John Joseph "Jack" **Nicholson**

[10] Nicholson memorably orders a chicken salad sandwich without the butter, the lettuce, the mayonnaise, or the chicken in this 1970 film, in which he plays oil rig worker Bobby Dupea.

ANSWER: ***Five Easy Pieces***

020-13-83-20208

9. This woman stepped on a snake while being chased by a satyr. For 10 points each:

[10] Name this wife of Orpheus. He lost her forever by looking back for her while escaping the Underworld.

ANSWER: **Eurydice**

[10] Orpheus was himself killed in Thrace when this group of Dionysus' female followers tore him to shreds, realizing that stones could not hurt him.

ANSWER: **maenads**

[10] Orpheus saved the Argonauts by playing his lyre while passing by the Sirens. However, this member of the crew, the brother of Erybotes, jumped overboard anyway. He was only saved from death by Aphrodite.

ANSWER: **Bootes** [or **Boutes**]

190-13-83-20209

10. Answer the following about leagues in European history, for 10 points each.

[10] This league, organized by Pope Clement VII to support Francis I in opposition to Charles V, lost a 1526 to 1530 war.

ANSWER: League of **Cognac** [prompt on **Clementine** League]

[10] The Three Emperors League was an alliance between Alexander II of Russia, Wilhelm I of Germany, and Franz Joseph I of this dual monarchy.

ANSWER: **Austria-Hungary** [or **Austro-Hungarian** Empire; prompt on partial answer]

[10] This 1508 league was organized by Julius II against Venice, but the pope flip-flopped and allied with Venice later, proclaiming a "Holy League" against France.

ANSWER: League of **Cambrai**

020-13-83-20210

11. Coronal loops, or prominences, are often found along with these phenomena. For 10 points each:

[10] Name these phenomena that result from intense magnetic activity inhibiting convection.

ANSWER: **sunspots**

[10] Sunspots occur in this layer of the sun, which is the layer from which light is radiated.

ANSWER: **photosphere**

[10] Butterfly diagrams are obtained when the incidence of sunspots over time is plotted against this quantity.

ANSWER: solar **latitude**

149-13-83-20211

12. Identify these unorthodox instruments found in various pieces of classical music, for 10 points each.  
[10] These instruments sound at the end of Donizetti's opera *Anna Bolena* and fire sixteen times total in the *1812 Overture*.

ANSWER: **cannons**

[10] Twelve of these instruments in different pitches play in the overture of Ligeti's opera *Le grande macabre*. Four of them were brought from Paris for the New York premiere of Gershwin's *An American in Paris*.

ANSWER: **car horns** [or **automobile horns**; or **taxi horns**; prompt on **horns**]

[10] This slightly more conventional instrument, often consisting of a fabric-wrapped drum rubbing against wooden rods, evokes an eerie atmosphere in numerous Richard Strauss pieces, including *Don Quixote* and *An Alpine Symphony*.

ANSWER: **wind machine**

020-13-83-20212

13. This city had no laws against adultery and, in fact, encouraged women to sleep with men other than their husbands to produce better offspring. For 10 points each:

[10] Name this Greek polis famous for producing strong warriors through its agoge.

ANSWER: **Sparta** [or **Lacedaemon**]

[10] Sparta's two kings shared power with five of these elected officials, who oversaw the city while the kings were off on campaign.

ANSWER: **ephors** [or **ephorate**]

[10] Though they were free and controlled business in Sparta, unlike the helots, these residents of Laconia were not considered citizens. They fought as hoplites alongside the Spartiates at the Battle of Plataea.

ANSWER: **perioikoi** [or **perioeci**]

080-13-83-20213

14. This statement can be stated as the function  $\pi(x)$  is approximately equal to the logarithmic integral function as  $x$  goes to infinity. For 10 points each:

[10] Identify this theorem which states that the number of namesake numbers not exceeding  $x$  is asymptotic to  $x$  over the natural log of  $x$ .

ANSWER: **prime** number theorem

[10] This man and de la Vallée-Poussin independently proved the prime number theorem. The matrices named for this man are  $n$ -by- $n$  matrices  $H$  with entries of plus and minus one that satisfy the identity  $H$  times transpose  $H$  equals  $n$  times identity matrix; those matrices are used in a namesake error-correcting code.

ANSWER: Jacques Salomon **Hadamard**

[10] The proof of the prime number theorem is due to the fact that this function can be extended meromorphically to the entire complex plane and does not have any zeros on the line where the real part of  $s$  equals one. A certain unsolved hypothesis states that the nontrivial zeros of this function have real part one-half.

ANSWER: **Riemann zeta** function

066-13-83-20214

15. A jinshi jidi was a person who excelled at the highest level in this procedure through their mastery of Confucian texts. For 10 points each:

[10] Name this institution of imperial China from the Tang dynasty well into the 1800s, which was praised for meritocratically selecting candidates for the bureaucracy.

ANSWER: imperial civil service **examinations** [or **tests**; or **keju zhi**]

[10] This man had his ambitions frustrated by multiple failures in the imperial exam, during which time his delusions of being Jesus's brother led him to start the Taiping Rebellion.

ANSWER: **Hong** Xiuquan [or **Hong** Renkun]

[10] Imperial exam-takers wrote using this rigid essay format, which included a set number of sections and many formalized parallel sentences.

ANSWER: **eight-legged** essay [or **eight-part** essay; or **baguwen**]

104-13-83-20215

16. For 10 points, each answer the following about psychiatrists in literature.

[10] Jed Parry, a stalker, ends up in a psychiatric hospital at the end of this author's *Enduring Love*. This novelist may be better known for *Amsterdam* and *Atonement*.

ANSWER: Ian **McEwan**

[10] Psychiatrist Martin Dysart dreams about presiding over human sacrifices as an ancient Greek priest in this play. In this Peter Shaffer play, Dysart is in charge of treating Alan Strang after Alan blinds six animals.

ANSWER: **Equus**

[10] Martin Lynch-Gibbon discovers that his wife Antonia wants to leave him for her psychoanalyst Palmer Anderson in *A Severed Head*, a novel by this author of *The Sea, the Sea* and *Under the Net*.

ANSWER: Iris **Murdoch**

080-13-83-20216

17. Jews celebrating this holiday eat honey-dipped apples and greet each other with the phrase "*L'shanah tovah*." For 10 points each:

[10] Name this holiday that takes place on the First of Tishri, which marks the New Year in the Jewish calendar.

ANSWER: **Rosh Hashanah**

[10] Rosh Hashanah and Yom Kippur are the bookends of this ten-day period in Judaism, during which the *machzor* is used as a prayerbook. It is a time to consider one's sins and repent before Yom Kippur.

ANSWER: the **Days of Awe** [or the **Yamim Noraim**; or the High **Holy Days**]

[10] In this practice on Rosh Hashanah, Jews take pieces of bread out of their pockets and throw them in the river, symbolizing the casting-off of their sins.

ANSWER: **Tashlikh**

080-13-83-20217

18. All of these proteins except for type 3 use the MyD88 pathway. For 10 points each:

[10] Identify these pattern recognition receptors that can initiate the adaptive and innate immune responses when they detect a pathogen.

ANSWER: **Toll-like** receptors [or **TLRs**]

[10] Toll-like receptors were named for their similarity to the *Toll* gene in these model organisms. These model organisms have a very short life span, lay a lot of eggs, and are sometimes called fruit flies.

ANSWER: **Drosophila melanogaster** [or **Drosophila melanogaster**; or **vinegar fly**]

[10] One of the ligands to which TLR2 binds is Hsp70, which is a family of chaperone proteins named for this kind of shock.

ANSWER: **heat**

066-13-83-20218

19. The release of this thinker's spoken-word album *Sketches of my Culture* and his time spent volunteering for Bill Bradley's presidential campaign were among the items of conflict between him and Harvard president Lawrence Summers. For 10 points each:

[10] Identify this African American Studies professor at Princeton who appeared in both sequels to *The Matrix* and co-authored *The Future of the Race* with Henry Louis Gates, Jr.

ANSWER: Cornel Ronald **West**

[10] "Malcolm X and Black Rage", "The Crisis of Black Leadership", and "Nihilism in Black America" are three of the eight essays in this West collection.

ANSWER: **Race Matters**

[10] West's history of the growth and decline of pragmatism is title for "the American evasion" of this intellectual discipline, of which pragmatism itself is a school.

ANSWER: **philosophy** [or *The American Evasion of **Philosophy***]

029-13-83-20219

20. In May 2013, three women dressed as nuns tried to travel from this country's capital to its island San Andres with two kilos of cocaine. For 10 points each:

[10] Name this South American country that also had its internal transportation stymied by blockades set up during a two-week strike by its coffee farmers.

ANSWER: Republic of **Colombia** [or Republica de **Colombia**]

[10] In March 2013, peace talks between FARC and the government were restarted by this current Colombian president, who replaced Alvaro Uribe in 2010.

ANSWER: Juan Manuel **Santos** Calderon

[10] Santos has been criticized for not taking Uribe's side in his May 2013 war of words with this president of Venezuela, who was elected after serving as Hugo Chavez's vice president.

ANSWER: Nicolas **Maduro** Moros

023-13-83-20220

21. These political entities were recognized as the third college of the Imperial Diet in the Peace of Westphalia. For 10 points each:

[10] Name these entities, including Basel and Mainz, that were relatively independent because they were subject only to the emperor rather than local rulers.

ANSWER: Free **Imperial Cities** [or **imperial city**; or Freie **Reichsstadt**; or **free towns**; or **free cities**]

[10] Martin Bucer led the Protestant Reformation of this Free Imperial City. Johannes Gutenberg built his movable type printing press in this city, where some oaths were sworn by Louis the German and Charles the Bald.

ANSWER: **Strasbourg** [or **Strassburg**]

[10] This wealthy Free Imperial City was the site of the peace ending the War of the Schmalkaldic League and promulgating the doctrine of "cuius regio, eius religio." Philipp Melanchthon issued its "confession."

ANSWER: **Augsburg**

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