Tossups

1. The Supreme Court decided to apply one of these laws in *Guaranty Trust Co. v. York* by creating the "outcome determinative test." In *Walker v. Armo Steel*, the Supreme Court applied a state law of this kind in a federal court case. These laws are mirrored in equity by the doctrine of laches. In some jurisdictions, governmental entities can use the common law "nullum tempus" doctrine to skirt them. The Rule 15(c) "relating-back" standards for amending pleadings exist to aid in applying these laws. Under federal criminal law and in most states, they do not apply to crimes punishable by death and other heinous acts. In most jurisdictions, they only begin tolling against plaintiffs in child abuse cases when the victim reaches the age of 18 or 21. For 10 points, name these laws that prevent civil plaintiffs or the government from bringing cases after too much time has expired.
ANSWER: **statute**s **of limitation**

2. Early in his career, this man worked for the law firm of Erastus Culver. This man rejected an offer to become US Consul in Paris when asked to resign one office in favor of Edwin A. Merritt. This man appointed William Chandler as Secretary of the Navy and was the first head of state to recognize the Congo Free State. This man appointed Frederick Frelinghuysen as Secretary of State, replacing James G. Blaine. He signed a law named for the former running mate of George McClellan, which required exams and merit-based hiring to fight patronage. For 10 points, name this signer of the Mongrel Tariff and the Pendleton Civil Service Act who became President on the death of James Garfield.
ANSWER: Chester Alan **Arthur**

3. This composer originally scored one of his ballets for pianola, harmonium, and two cimbaloms, but later pared its instruments down to percussion and four pianos. This composer adapted the music from one of his ballets into several works called *Suite Italienne*. He composed a ballet in which Furbo disguises himself as the title character to persuade Tartaglia and the Doctor to accept their future sons-in-laws, as well as a four-movement tableau depicting the preparations for a peasant wedding. This composer wrote a ballet based on the music of Giovanni Pergolesi that ends with the title character marrying Pimpinella. In another of his ballets, a prince watches thirteen princesses perform a round dance after entering an enchanted garden and receiving a magical feather. This composer of *Les noces* began his neo-classical period with his ballet *Pulcinella*. For 10 points, name this Russian composer who depicted Prince Ivan's victory over Koschei the Deathless in his ballet *The Firebird*.
ANSWER: Igor Fyodorovich **Stravinsky**

4. Under cross-polarized light, these minerals exhibit motted and bird's-eye patterns as the light nears extinction. These minerals, with the exception of the Ba-Fe brittle type anandite, exhibit parallel extinction. These minerals are used to prevent shrinking in paint. They form most of schists. This family of minerals exhibits pseudo-hexagonal twinning. The bottom of the discontinuous branch of Bowen's reaction series consists of one mineral of this class, while another can be found above quartz. These phyllosilicates often have monoclinic crystalline structures and exhibit perfect basal cleavage. For 10 points, name this class of minerals that includes biotite and muscovite.
ANSWER: **mica**s [prompt on **phyllosilicate**; prompt on sheet **silicate** minerals]

5. Early in his career, this author wrote music criticism for *The Star* and *The World* under the pseudonym "Corno di Bassetto." This author discussed "Siegfried as Protestant" in an essay analyzing the *Ring* cycle as an allegory for the rise of capitalism. Another of his essays borrows a term from Matthew Arnold to divide society into "Philistines" who accepted the established order and "Idealists" who avoided it, and calls the title playwright a "Realist" who confronted it. This author of "The Perfect Wagnerite" mocked G.K. Chesterton and Hilaire Belloc as "The Chesterbelloc," and analyzed plays such as *Little Eyolf* and *Ghosts* in "The Quintessence of Ibsenism." His own plays frequently describe a mysterious "Life-Force" and parody his fellow Fabian socialists. For 10 points, name this Irish playwright of *Heartbreak House*, *Man and Superman*, and *Pygmalion*.
ANSWER: George Bernard **Shaw**

6. One person sometimes said to be here is punished by having to eternally cut down an infinitely-renewing Cassia tree and is known as the woodcutter Wu Gang. Some stories of escape to this location center on a malign apprentice known as Feng Meng, who wishes to steal the boon of Xi Wangmu or a related item. This site serves as a second place of exile for a careless, porcelain-jar-breaking servant in another story. Almost all explanations of the origin of this location's ruler pivot on a pill or elixir of immortality, possibly mixed by a jade rabbit also said to serve in this area and accidentally taken by a woman who was originally married to Houyi, an archer who downed nine superfluous suns. For 10 points, name this body inhabited by the goddess Chang'e in Chinese myth that is the celestial embodiment of the yin, which is cold and variable.
ANSWER: Chinese **moon** [accept **Chang'e** before read]

7. A 2010 paper by Yirong Mo challenged the extension of this phenomenon to explain a certain property of heteroatomic substituents. A version of this effect occurring through the inverse of its usual mechanism has been observed in the fluoroethyl anion. In toluene, this phenomenon overpowers the inductive effect. This phenomenon is often considered as an alternative to the older, conventional explanation of the anomeric effect via electrostatic interactions. This phenomenon explains why increasing the number of alkyl substituents on a carbocation results in an increase in its stability. A phenomenon similar to this one but involving only p orbitals is called resonance. For 10 points, name this phenomenon in which electrons in a sigma bond interact with an adjacent empty or partially filled p orbital.
ANSWER: **hyperconjugation** [or **no-bond resonance**; or **Baker -Nathan** effect; accept **anomeric effect** before "extension"]

8. The title creature of one poem by this writer declares, "Tremble, mortals-I'm strong when my insatiate yawn stretches to snap a spring." This poet wrote, "O rounded dome and perfect diadem, I am what's changing secretly in you. I am the only medium for your fears," in a poem describing death as "that empty skull, that everlasting grin." Another of his poems states, "I must, O Sun, worship this heart where you seek to know yourself," and begins by asking, "Who is that weeping, if not simply the wind?" That poem consists of 512 alexandrine couplets and broke his twenty-year hiatus provoked by the death of Stephane Mallarme. This poet created the persona of Monsieur Teste, and declared "The wind is rising…we must try to live!" in a poem set on a "quiet roof, where dove-sails saunter by." For 10 points, name this French poet of "Sketch of a Serpent," "The Young Fate," and "The Graveyard by the Sea."
ANSWER: Paul **Valery**

9. This philosopher wrote about the masculinism of skepticism in *The Winter's Tale* and *Coriolanus* in a work where he argues that the necessary participation of the viewer in Shakespeare's dramas provided an alternative to religion. One essay by this philosopher attempts to establish a framework for determining the fraudulence of art. In addition to "Music Discomposed," he wrote about Humphrey Bogart's Sam Spade character as an example of the "Dandy" archetype in his book subtitled "Reflections on the Ontology of Film," *The World Viewed*. Along with *Disowning Knowledges*, he also wrote about Shakespeare in a work that argues that Wittgenstein's conception of criteria is one of meaning instead of existence in an attempt to propose other-minds skepticism as a sensible alternative to material world skepticism. The author of *The Claim of Reason,* for 10 points, name this Harvard philosopher who responded to logical positivism in the namesake essay of his book *Must We Mean What We Say?*
ANSWER: Stanley **Cavell**

10. One of this party's former leaders, Edith Cresson, caused the resignation of the entire European Commission when she was accused of hiring a dentist friend as an AIDS expert and other acts of fraud. This party traces its modern history to the Alfortville Congress, and it won an election on a platform called the "110 Propositions." Under Laurent Fabius, this party adopted moderate economic policies. In the 1990s, it adopted a strategy of "pluralism," seeking large majorities through coalitions, which resulted in this party finishing out of the top two in the 2002 elections. One leader of this party worked with Helmut Kohl to get the Treaty of Maastricht ratified and initiated a period of "cohabitation" by appointing Jacques Chirac as Prime Minister. For 10 points, name this French political party that was once led by Francois Mitterand.
ANSWER: **French Socialist** Party [or **Parti Socialiste**; prompt on **Socialist** if the answer is given in English before the word "French" and accept outright afterwards]

11. The sixth of these pieces, in B-flat major, momentarily stops in the second half of its first movement and concludes with a fourth-movement adagio subtitled "La Malinconia." A later one, also in B-flat major, unusually contains six movements, including a fifth movement E-flat major Cavatina. Another of these pieces contains a third movement Adagio which alternates variations on a theme in the Lydian mode with variations on a faster theme in D Major, marked "Feeling new strength"; that movement, written after its composer had recovered from an intestinal disease, is titled "Heiliger Dankgesang." The *Grosse Fugue* was originally the final movement of the thirteenth of these pieces, and the seventh through ninth of them contain Russian themes in reference to their commissioner, Andrey Razumovsky. For 10 points, name this set of sixteen chamber pieces written by a deaf German composer.
ANSWER: Ludwig van **Beethoven's String Quartets** [prompt on partial answer]

12. Pierce used one definition of this quantity to derive the electron optical equation in the paraxial approximation. Jacobi's law dictates that this quantity for one part of a system must be the complex conjugate to that in the other part in order to maximize power transfer. The independent variable in the Smith chart, this variable has a form given by the square root of the ratio of induction density to capacitance density for a transmission line, which will exhibit reflection unless this quantity is matched by its terminator. The imaginary part of this quantity is called the reactance and is directly proportional to the frequency for an inductor. For 10 points, name this quantity that is the complex ratio of voltage to current.
ANSWER: **impedance** [prompt on **Z**]

13. This poem's first stanza describes "white-flowered Jasmin and the broad-leav'd myrtle" as "meet emblems" of "Innocence and Love." This poem praises "the one life within us and abroad which meets all motion and becomes its soul" before declaring "Methinks, it should have been impossible" not to "love all things in a world so filled." This poem's concluding palinode disparages the speaker's "dim and unhallowed" thoughts and praises the "heart-honored maid" who brought his thought to Jesus, "who with his saving mercies healed me." Set in a cottage in Clevedon, it is the first of its author's "Conversation Poems." The speaker of this poem wonders if "one intellectual breeze, at once the soul of each, and God of all" could arouse thought in "all animated nature," just as the wind brings music from the title object. Addressed to "my pensive Sara," for 10 points, name this Samuel Taylor Coleridge poem that compares the human imagination to the title instrument.
ANSWER: "The **Eolian Harp**"

14. In Gaul, this man put down revolts by the Cantabrians, built a complex network of roads, and built the Maison Carree in Nimes. This man repelled the Suebi to help out the Ubii, whom he resettled after founding a colonia on the west bank of the Rhine that became modern-day Cologne. This commander's victories at Mylae and Naulochus crushed the rebellion of "pirate king" Sextus Pompeius. As aedile, he expelled all astrologers from Rome before hiring engineers like Vitruvius to complete a massive project of urban renewal, whose success he proved by personally riding a boat through the Cloaca Maxima. As consul, he commissioned the initial construction of the Pantheon. This man benefitted from the defection of Quintus Dellius at a battle where he used Liburnians to outmaneuver his opponent's massive quinqueremes. For 10 points, name this general under Augustus who defeated Marc Antony at the Battle of Actium.
ANSWER: Marcus Vipsanius **Agrippa**

15. This Rabbi founded a synagogue on Ha-Yehudim street in the old city of Jerusalem that bears his name. His alleged burial site is a point of contention in the area of Wadi Joz, which became the subject of multiple Israeli Supreme Court cases on the general status of so-called "holy sites." He discussed the work of a contemporary in a letter addressed to the Jews of Aragon, and his belief regarding an immutable aspect of the soul led him to champion yibum, or levirate marriage. That opinion is included in his Torat ha-adam, and his final work was a commentary on the five books of Moses that draws heavily from the Aggadah, thus differentiating it from the commentary of Rashi, with whom his commentary often engages. He is best known, however, for an event in which a disciple of James I made him defend the validity of his religion. For 10 points, name this Spanish medieval Rabbi who won a disputation against the Apostate Pablo Christiani in 1263, and who is not to be confused with the similarly named author of the Guide for the Perplexed.
ANSWER: **Nachman**ides [or Rabbi Moses ben **Nachman**; or **Ramban**; do not prompt or accept anything that points to "Maimonides" or "Rambam"]

16. A reporter visits this character's house and meets his daughter Raby in the short story "Evangeline," which was reworked into the novel featuring him. This character's business partner and father-in-law seals himself in his attic and eventually starves after his store is raided by soldiers. A formative experience for this character occurs when he is turned away from the front door of Pettibone's mansion. This character is killed with a scythe after he impregnates the fifteen year old Milly and discards her when she bears a girl. He forces a captive French architect to design his house, which is burned down by his daughter Clytemnestra. While serving in the Confederate Army, he tells his son Henry that his other son Charles Bon is black. For 10 points, name this man who builds a plantation on one hundred acres in Yoknapatawpha County in William Faulkner's *Absalom, Absalom!*
ANSWER: **Thomas** Sutpen [or **T**homas **Sutpen**; prompt on **Sutpen**]

17. Laurence Mueller criticized this theory by analogizing it to frictionless hockey pucks and Carnot cycles. A study by Long and Long using Drosophila melanogaster as well as a study by Templeton and Johnson using Drosophila mercatorum weakened the empirical evidence for this theory. The Intermediate Disturbance Hypothesis outlines a scenario where both strategies in this theory may coexist and prosper. This theory was outlined by Robert MacArthur and E. O. Wilson in *The Theory of Island Biogeography*, and elements adapted from this theory are incorporated into life history theory. This theory focuses on two namesake variables in the Verhulst equation. For 10 points, name this ecological theory that divides species by strategy into those maximizing reproduction rate and those maintaining a population close to the carrying capacity, denoted by its two namesake letters.
ANSWER: **r/K** selection theory

18. An anonymous painting by the Osservanza Master shows this man recoiling in the midst of a bunch of dead trees. The earliest known painting of Michelangelo, done when Vasari says he was 13, is of this man floating above ships on the sea. That painting was a copy of a Martin Schongauer woodcut that shows him staring at the viewer calmly despite being clubbed. This man is the subject of a Lisbon triptych whose center panel shows buildings burning in the background while demons participate in a Black Mass; that triptych is by Hieronymus Bosch, who did about 15 paintings of this man. The *Isenheim Altarpiece* was painted for a monastery named for this saint, who stands calmly on a pillar despite an approaching monster in the panel to the right of the Crucifixion scene. He is often depicted being attacked by fish-like demons. For 10 points, name this Christian saint whose "temptation" is a common artistic subject.
ANSWER: Saint **Anthony** the Great [or **Anthony** of Egypt; or **Anthony** of the Desert; or **Anthony** the Anchorite; or **Anthony** of Thebes; or Abba **Antonius**]

19. Every Ascension Day in this city, a procession carries the relic of the Holy Blood of Jesus out from its namesake Basilica. One legend holds that Holy Roman Emperor Maximilian I retaliated to being imprisoned in this city for three months by forcing its residents to maintain a flock of swans. Those swans live in a lake called the Minnewater, which is sometimes erroneously translated as "Lake of Love." One of its most famous buildings is a belfry with 366 steps which Longfellow claims was "Thrice consumed and thrice rebuilded." Although much of its commercial significance dissipated with the silting of the Zwijn estuary, it still conducts trade through its proximity to the Dutch border and through the port of Zeebrugge, which is about ten miles to its north on the North Sea. For 10 points, name this Belgian city known for its canals and chocolate shops and which is about 25 miles northwest of Ghent.
ANSWER: **Bruges** [or **Brugge**]

20. It's not oil, but Hassai is the most promising source of this natural resource in Sudan, where Omar al-Bashir recently announced that his country had exported over $2 billion worth of this resource in 2012. An Australian named George Harrison is credited with helping another African nation become a major exporter of this resource, which was produced at Barberton and Pilgrim's Rest. The Soninke Wangara people obtained this resource from the Bambuk Mountains, and established a market for this resource at the city of Audaghost. The ability to produce this material at Bure led to the rise of the Soso Empire under Sumanguru Kante. The discovery of this resource in the Witwatersrand Basin led to the invasion of the Transvaal and the Boer War. For 10 points, name this precious metal which in South Africa is turned into the Krugerrand coin.
ANSWER: **gold**

21. At one point, this work explicates a quotation of Lessing's to explain how the mistake made by "clever Hanschen" with regard to money and wealth is analogous to the mistake made by others with regard to truth. In this work, a critique is made against the statement that "a true idea must copy its reality," on the grounds that non-clockmakers can still know that a clock works. In a section concerned with religion, this work reproduces the entirety of Whitman's "To You," posing "monistic" and "pluralistic" interpretations, and offers "melioristic theism" as a middle ground between religious "absolutism" and pure naturalism. This work lists two columns of the traits of "tender-minded" idealists and "tough-minded" empiricists, and advances a theory of truth predicated on "cash-value in experiential terms." Originally delivered as a lecture series, for 10 points, name this work of philosophy subtitled "A New Name For Some Old Ways of Thinking," an exposition of the thought of William James.
ANSWER: _**Pragmatism**: A New Name For Some Old Ways of Thinking_

22. The Kozeny-Carman equation is a model that links this property to estimate a related property calculated by Valenta's law. This property can be measured through the amount of imbibition carried out by processes such as capillary action. This property is inversely proportional to the specific yield, which is sometimes known as its effective type. It is directly proportional to the amount of specific retention. This is one of the parameters in Darcy's law, which describes media with non-zero values for it. Increasing this measure for a substance will increase the permeability of a fluid moving past the substance. This quantity, symbolized phi, decreases with grain size. For 10 points, name this quantity describing the amount of openings or spaces in a material.
ANSWER: **porosity** [or **void ratio**; accept word forms]

Bonuses

1. Early in this war, George Rooke captured or destroyed Spain's entire treasure fleet at the Battle of Vigo Bay. For 10 points each:
[10] Name this early eighteenth century European conflict which included the Battle of Blenheim.
ANSWER: War of the **Spanish Succession**
[10] The Duke of Marlborough didn't even need Eugene of Savoy to win this 1706 battle against Marshall Villeroi, a rout that allowed the Grand Alliance to pry all of Flanders from Louis XIV's assuredly livid hands.
ANSWER: Battle of **Ramillies**
[10] Louis XIV's best general in the war was probably this guy, against whom the wonder twins only won a Pyrrhic victory at the Battle of Malplaquet. His construction of the Ne Plus Ultra lines and defeat of Eugene of Savoy at the Battle of Denain forced the now England-less allies to accept the Peace of Utrecht.
ANSWER: Claude Louis Hector de **Villars** [or Duc de **Villars**]

2. In humans, the genes that code for it are located in clusters of tandem repeats on chromosomes 13, 14, 15, 21, and 22. For 10 points each:
[10] In eukaryotes, this material is transcribed and assembled in the nucleolus. While bound to proteins, a structure composed of this material has peptidyl transferase on its own.
ANSWER: **ribosomal RNA** [or **rRNA**; prompt on partial answer]
[10] This non-SI unit measures sedimentation rate under the influence of ultracentrifuging . It is commonly used to distinguish between different types of ribosomes or ribosomal subunits.
ANSWER: **Svedberg** unit [or **S**]
[10] This ribosomal binding site in mRNA is located above the AUG start codon. Its anti-sequence consists of UUCCUCC and is located at the 3' end of 16S rRNA.
ANSWER: **Shine-Dalgarno** sequence or box

3. In November this country lowered its voting age to sixteen, but it exempted sixteen and seventeen year olds from its compulsory voting requirement. For 10 points each:
[10] Name this South American nation that has in recent years paid off most of its debt from its 2001 sovereign default.
ANSWER: **Argentina** [or **Argentine Republic**; or Republica **Argentina**]
[10] Argentina is currently run by this President. She succeeded her husband, Nestor, in 2007, and defeated Hermes Binner in her 2011 reelection bid.
ANSWER: Cristina Fernandez de **Kirchner**
[10] Kirchner holds office as part of this coalition, which is part of the Justicialist Party. One rival of this group was former president Carlos Menem's Front for Loyalty Alliance.
ANSWER: **Front for Victory** [or **Victory Front**; or **FPV**; or **Frente para la Victoria**]

4. An author from this country included chapters from a book by fictitious bisexual Thomas Thoenissen in his thousand-page novel *A Book of Memories*. For 10 points each:
[10] Name this country. Another writer from this country wrote about "the General," who invites his old friend Konrad to dinner to ask if he slept with his wife, in *Embers*.
ANSWER: **Hungary** [or **Magyarorszag**; the authors are Peter Nadas and Sandor Marai]
[10] This Romantic poet used Hungarian folk ballads as the basis for his epic poem *Janos Vitez*. His poem "Talpra Magyar" became the anthem of Hungary's 1848 revolution.
ANSWER: Sandor **Petofi**
[10] Jews in the Hungarian town of Sighet fail to heed the warnings of Moshe the Beadle in this Holocaust memoir by Elie Wiesel.
ANSWER: ***Night*** [or *La **Nuit***]

5. This element's triplet ground state sees two unpaired electrons occupying two degenerate orbitals. For 10 points each:
[10] Name this element, three atoms of which combine to form ozone.
ANSWER: **oxygen**
[10] This test is used to find the concentration of dissolved oxygen in water. In this test, manganese (II) salt is added to water to form a white precipitate.
ANSWER: **Winkler** test
[10] At the end of the Winkler test, a solution of this ion is used in titration to determine the amount of iodine in a water sample. A solution of the sodium salt known as "hypo" was used to develop photographs.
ANSWER: **thiosulfate**

6. This composer wrote his second piano concerto after being treated with hypnotherapy by Dr. Nikolai Dahl. For 10 points each:
[10] Name this Russian composer of a frequently performed piano prelude in C sharp minor and *Rhapsody on a Theme of Paganini*.
ANSWER: Sergei Vasilyevich **Rachmaninoff**
[10] The first movement of Rachmaninoff's third piano concerto features an extremely difficult example of this type of passage. These passages are often improvised, and give soloists the opportunity to show off their skill during a concerto.
ANSWER: **cadenza**s
[10] This composer's B minor violin concerto includes a third movement cadenza unusually accompanied by thrumming strings. The score of his second symphony quotes the lines "Rarely, rarely comest thou, Spirit of Delight."
ANSWER: Edward William **Elgar**

7. This man defeated his brothers Owain and Daffyd at the 1255 battle of Bryn Derwin, and he was later drawn into conflict with England after Daffyd attacked Hawarden Castle. For 10 points each:
[10] Name this last independent Prince of Wales.
ANSWER: **Llywelyn** ap Gruffud [or **Llywelyn** the Last]
[10] To keep uppity Welshmen at bay, kings of England gave lands near the Welsh border to these noblemen. The Earls of Chester, Shrewsbury, and Hereford were some of the most notable ones.
ANSWER: **Marcher Lords**
[10] This future English king was the first heir to the throne to be made Prince of Wales. As king, this man possibly had a homosexual affair with Piers Gaveston and Hugh Despenser.
ANSWER: **Edward II** [prompt on **Edward**]

8. The protagonist of this novel was based on Caroline Norton, whose affair with Lord Melbourne informs the protagonist's relationship with Lord Dannisburgh. For 10 points each:
[10] Name this novel about a woman who has a scandalous abusive relationship with local parliamentary leader Percy Dacier, and who marries Thomas Redworth after the death of her estranged husband Augustus Warwick.
ANSWER: *Diana of the Crossways*
[10] *Diana of the Crossways* was written by this Victorian novelist of *The Shaving of Shagpat* and *The Egoist*.
ANSWER: George **Meredith**
[10] The title character of this Meredith novel is beloved by his cousin Clare, who keeps his supposedly lost wedding ring. Sir Austin attempts to prevent the title character, his son, from meeting girls his own age.
ANSWER: The *Ordeal of Richard Feverel*

9. Name these components of Catholic mass, for 10 points each.
[10] This prayer chant typically takes place following the Act of Penitence and before the Gloria hymn, but is sometimes replaced by the act of sprinkling known as aspersion. It is the rough Greek transliteration for "lord have mercy."
ANSWER: **Kyrie eleison**
[10] The blood and body of Christ are distributed during this rite towards the end of mass. The preface to this act includes the Sanctus acclamation that states "Hosanna in the highest" and the priest breaking the host during the "lamb of god" litany.
ANSWER: **Eucharist** [or Holy **Communion**]
[10] During the act of penitence in Roman Rite masses, this prayer is used to express the confession of sins to a variety of holy figures, including John the Baptist and the Archangel Michael. It's named for its first word in Latin.
ANSWER: **Confiteor**

10. With Herbert Feigl, this philosopher co-founded the first American journal explicitly for analytic philosophy, *Philosophical Studies*. For 10 points each:
[10] Name this author of "Philosophy and the Scientific Image of Man" who attacked foundationalist epistemology as the "myth of the given" in *Empiricism and the Philosophy of Mind*.
ANSWER: Wilfrid **Sellars**
[10] Wilfrid Sellars' writings on "The Myth of Jones" attempts to create a basis for epistemological naturalism without resorting to this non-cognitive perspective of psychologists like B.F. Skinner and John Watson.
ANSWER: **behaviorism**
[10] This South African from the University of Pittsburgh discussed Wilfrid Sellars' "myth of the given" in the introduction to *Mind and World,* which claims that experience has no non-conceptual content.
ANSWER: John Henry **McDowell**

11. Numbers of this type can be found by using Gelfond's theorem, which was used to demonstrate that e to the pi is one of them. For 10 points each:
[10] Name this type of real number that is not the root of any rational polynomial.
ANSWER: **transcendental** number
[10] This mathematician, who names a transcendental number, used his rational approximation theorem to determine a method of finding transcendental numbers.
ANSWER: Joseph **Liouville**
[10] This conjecture states that the transcendence degree of the list of linearly independent complex numbers is at most 2n, but at least n. Roy's conjecture was found to be equivalent to this one, which has not been formally proven.
ANSWER: **Schanuel**'s conjecture

12. This party's influence declined thanks to the intrigues of Prime Minister Ismail Sidqi, who imposed restrictions of voting rights and gave King Fuad the power to block its agenda. For 10 points each:
[10] Name this party founded by Sa'ad Zaghlul that agitated for independence from the British Empire, but ultimately agreed to a Treaty of Preferential Alliance in 1936.
ANSWER: **Wafd** Party
[10] The Wafds represented the interests of the people of this country, which later threw off the dynastic rule of King Farouk, but submitted to a dictatorship under Gamal Abdul Nasser.
ANSWER: Arab Republic of **Egypt** [or Jumhuriyat **Misr** al-Arabiyah]
[10] The Wafd's younger members often joined a paramilitary wing called al-Qumsan al-zarqa, more commonly known by this English name. It also denotes a secret clique of the Kuomintang loyal to Chiang Kai-Shek, who used it as a personal secret police force.
ANSWER: **Blueshirt**s [or **Blue Shirt** Society]

13. This medium was popularized thanks to boxes produced by the Reeves company in the 1780s, and is similar to the non-transparent medium of gouache. For 10 points each:
[10] Identify this medium used in the landscape scenes of John Robert Cozens and in works like *Stonehenge* by John Constable.
ANSWER: **watercolor** [or **aquarelle**]
[10] This artist used ink and watercolor to paint scenes from the Bible like *The Parable of the Wise and Foolish Virgins*. He also painted *The Ghost of a Flea* and illustrated several of his books of poetry like *The Book of Thel*.
ANSWER: William **Blake**
[10] This British artist sometimes employed watercolor in his satirical pieces, such as in *The Schoolmaster's Tour* and his *Dr. Syntax* series.
ANSWER: Thomas **Rowlandson**

14. Svafrlami forced Durin and Dvalin to forge this sword by trapping them with a rock. For 10 points each:
[10] Name this sword from Norse myth. It was cursed to do three evil deeds before it could be put to good use.
ANSWER: **Tyrfing**
[10] Durin and Dvalin were two of these beings, others of whom included Brokk and Eitri.
ANSWER: **dwarves**
[10] The uncursed Tyrfing eventually winds up in the hands of Angantyr, a king of this people. The *Hlöthskvitha* tells the story of Angantyr using Tyrfing to lead this tribe in majorly kicking the ass of some Huns.
ANSWER: **Goth**s [or **Gotum**]

15. The narrator of this story describes his alcoholism by comparing himself to the protagonist of "To Build a Fire." For 10 points each:
[10] Name this story in which the narrator meets J.P. in the "drying-out place," where he has been taken independently by his estranged wife and his cancer-stricken girlfriend.
ANSWER: "**Where I'm Calling From**"
[10] "Where I'm Calling From" was written by this minimalist author of "Cathedral" and "What We Talk About When We Talk About Love."
ANSWER: Raymond **Carver**
[10] In another Carver story, the hotel managers Duane and Holly remember an old lady telling them about one of these structures. In Cheever's "The Swimmer," Neddy takes shelter from a storm in one of these structures, where Septimus has sex with Mrs. Chater in Tom Stoppard's play *Arcadia*.
ANSWER: **gazebo**s

16. This bill was written by Senator Tom Harkin of Iowa, and it passed the House by unanimous voice vote. For 10 points each:
[10] Name this 1990 law signed by George H.W. Bush that required buildings to be handicap-accessible.
ANSWER: **Americans with Disabilities** Act [or **ADA**]
[10] ADA violations can be investigated by this federal agency that enforces laws against workplace discrimination. Clarence Thomas was head of this agency for eight years.
ANSWER: **Equal Employment Opportunity Commission** [or **EEOC**]
[10] In 2002, Congress passed this whistleblower protection law that bans the federal government from retaliating against employees who complain about discrimination.
ANSWER: **No-FEAR** Act [or **Notification and Federal Employee Antidiscrimination and Retaliation** Act]

17. At the age of 20, this architect wrote a "discovered" Latin play that was still thought to be ancient one hundred years after his death. For 10 points each:
[10] Name this fifteenth century architect of the Tempio Malatestiano who built two buildings for the merchant Giovanni Rucellai.
ANSWER: Leon Battista **Alberti**
[10] Alberti's Palazzo Rucellai is in this Italian city, which also contains the Basilica of San Lorenzo and the Uffizi.
ANSWER: **Florence** [or **Firenze**]
[10] Alberti completed the façade of this church which was begun by the Dominican brothers Sisto and Ristoro in 1278. It includes the Strozzi Chapel, as well as Ghirlandaio's *Birth of the Virgin* and *Massacre of the Innocents*.
ANSWER: Basilica of **Santa Maria Novella**

18. Designed as a criticism of the second law of thermodynamics, this idea proposes that time-reversible dynamics are just as likely to result in a decrease in the entropy of an ideal gas as an increase. For 10 points each:
[10] Name this paradox that can be resolved by relaxing the assumption of totally uncorrelated velocities present in then-current formulations of the second law.
ANSWER: **Loschmidt**'s paradox
[10] The faulty assumption of uncorrelated velocities goes by this name.
ANSWER: **molecular chaos** [or **Stosszahlansatz**]
[10] The assumption of molecular chaos underpinned the original version of this thinker's H-theory, the corollary of the second law attacked in Loschmidt's paradox.
ANSWER: Ludwig Eduard **Boltzmann**

19. This psychologist's tests on French schoolchildren led him to develop a measurement that related "mental age" to chronological age. For 10 points each:
[10] Name this psychologist who developed an early intelligence test that became the basis for measuring IQ.
ANSWER: Alfred **Binet**
[10] Along with his student John Horn, this psychologist explored the distinction between crystallized and fluid intelligence. He also used factor analysis to identify sixteen distinct personality traits.
ANSWER: Raymond **Cattell**
[10] This nonverbal intelligence test is designed to be "culture-fair," and requires people to complete a series of visual patterns. The British military used it to test recruits during World War II, causing it to spread to more than one hundred other militaries throughout the world.
ANSWER: **Raven's** Progressive **Matrices** [or **RPM**]

20. In a Moliere play named for this character, he and his servant Sganarelle are rescued by peasant girls after their boat capsizes. For 10 points each:
[10] Name this character who is traditionally consumed by hellfire after inviting a statue of his lover's murdered father over for dinner.
ANSWER: **Don Juan**
[10] This Spanish playwright's *The Seducer of Seville and the Stone Guest* marks the first literary appearance of Don Juan.
ANSWER: **Tirso** de Molina [or Gabriel **Tellez**]
[10] Tirso de Molina also wrote this tragedy in which Amnon unknowingly falls in love with his half-sister's voice. Amnon then rapes the title character, causing him to be murdered by Absolom at a banquet.
ANSWER: *Tamar's Revenge* [or *La **Venganza de Tamar***]