

1. One massacre in this war is commonly called the Great Swamp Fight. This war broke out with fighting in Swansea after the execution of the alleged murderers of John Sassamon. The forces of one side in this war were led by governor Josiah Winslow. The other side of this conflict was supported by forces of Nipmucks and Narragansetts. A soldier under Benjamin Church killed this war's namesake at Mount Hope. For 10 points, name this late seventeenth century conflict in New England, in which colonists fought against the namesake leader of the Wampanoag.

ANSWER: **King Philip's War** [or **Metacomet's War**; or equivalent terms]

023-09-12-11102

2. One character in this play has a hallucination of a book whose pages contain a great flaming Aleph. That character is treated by a nurse named Belize, who joins several of its main characters at the Bethesda Fountain in its epilogue. A being known as the Continental Principality informs one character in this play that God left heaven in 1908 and orders humanity to stop changing. In the second part of this play, Ethel Rosenberg sings the Kaddish along with Louis Ironson, and Joe Pitt reveals that he is gay to his mentor Roy Cohn, who becomes God's attorney after dying of AIDS. For 10 points, name this play divided into parts called *Millennium Approaches* and *Perestroika* and written by Tony Kushner.

ANSWER: **Angels in America**

015-09-12-11103

3. In April of 2009, a political leader of this country was shot by gunmen while his car was at a petrol station, with the shooting potentially blamed on this country's military. In that same month, this country saw mass anti-government protests which disrupted this country's New Year celebrations. It currently sees a political struggle between groups known as the "red shirts" and "yellow shirts." It earlier saw the People's Power Party opposed by the People's Alliance for Democracy, while now the United Front of Democracy Against Dictatorship opposes the government of its current prime minister, Abhisit Vejjajiva. For 10 points, name this Southeast Asian country ruled by the House of Chakri which has its capital at Bangkok.

ANSWER: **Thailand**

052-09-12-11104

4. A quantum electrodynamical vacuum can change this property through the spontaneous creation of virtual electron-positron pairs. The magnitude of change in this due to traversing a diamagnetic material is given by the path length times the magnetic field times the Verdet constant; that change in the angle of this is known as Faraday rotation. This property is described by the Jones calculus. The transmission coefficient for an item that imparts this property is equal to the cosine squared of a characteristic angle according to Malus' law. The simplest types of this are circular and linear. For 10 points, name this property of light waves that describes the direction that fields comprising the light oscillate in and that can be imparted a filter.

ANSWER: **polarization** [accept word forms like **polarized** or **polarizing**]

059-09-12-11105

5. This case overturned an earlier decision concerning a Colorado man who was illegally performing abortions. That case was *Wolf v. Colorado*. Justice Clark wrote the majority opinion for this case, which was argued for by attorney A. L. Kearns. This case was prompted when Carl Delau received a tip from Don King. That tip led to a woman being suspected of harboring a bombing fugitive, resulting in a raid by members of the Cleveland Police Department. That raid instead found "lewd and lascivious books, pictures, and photographs." For 10 points, name this 1961 Supreme Court case concerning the use of illegally obtained evidence in criminal trials.

ANSWER: *Mapp v. Ohio* [accept either order]

064-09-12-11106

6. John Leech drew members of this group wearing Victorian clothing in a satirical 1850s drawing that implicitly places them in a pub. In another painting, a man on horseback and a naked man duel while a member of this group lies at the bottom. Besides that work by Pablo Picasso, a sculpture showing one member of this group also depicts a crouching bearded man lifting his hand to his face with a shocked expression. In two 1630s paintings of this group by the same artist, a man in a red robe stands to the upper left and makes a hand signal to begin the title action. This group's "intervention" to prevent war was depicted by Jacques-Louis David. Giambologna and Nicolas Poussin painted this group in their role as victims. For 10 points, name this female group whose "rape" by the Romans is a frequent artistic subject.

ANSWER: the *Sabine women* [prompt on *Sabines*; accept *The Rape of the *Sabine Women**; or *The Intervention of the *Sabine Women**]

052-09-12-11107

7. The protagonist of this play is mortally wounded by an object dropped from a roof on the way to one of his weekly visits to a nunnery. It opens at the Hôtel de Burgundy Theatre where the actor Montfleury is ordered to get off the stage. In one subplot of this play, a central character convinces a friar that a letter from the wicked Count de Guiche is ordering him to marry her to her lover. That lover dies fighting the Spanish on the battlefield and is rendered mute during a balcony scene with the female lead. This play ends as its title character recites a letter from memory, forcing Roxanne to realize that the shy, ineloquent Christian had enlisted him into writing her love letters. For 10 points, name this Edmond Rostand play about a poet and soldier with a large nose.

ANSWER: *Cyrano de Bergerac*

015-09-12-11108

8. Treating a solid variant of this class of molecules with six equivalents of alkali metal results in the A6 phase which has a filled t_{1u} ("T sub 1U") pi-molecular orbital. These molecules were first produced through the laser vaporization and then cooling via helium gas of their component atoms in an experiment named after Smiley and Krato. One variant of this class of molecules often produced via the Kratschmer-Huffman method draws its strength from its sp^2 bonds, has single and double walled varieties, and is known as the nanotube. For 10 points, name this class of molecules, the most famous example of which has formula C_{60} .

ANSWER: *Fullerene* [Do not accept "Buckminsterfullerene"]

059-09-12-11109

9. This figure's ashes were placed in a golden urn on the Rhoetean promontory. This figure prayed to Zeus to lift some fog so he can fight in the light of day. In one duel, he hurled a giant rock and killed Phorkys and his allies for burning a ship. He fended off enemies while his then-ally loaded a body onto a chariot. This wielder of a seven-cowhide shield and massive spear was not given an item for aiding Odysseus in burying Patroclus and Achilles. As a result of not getting that armor, this figure fell upon a sword that Hector had earlier gifted him. For 10 points, name this son of Telamon and king of Salamis who committed suicide in the *Iliad*.

ANSWER: **Ajax** the Greater [or Telamonian **Ajax** or **Ajax** the Great; do not accept "Ajax the Lesser"]

059-09-12-11110

10. A cult of the dead in this present-day nation left behind an underground burial chamber at Hal Saflieni. Its population asked for authority over it be transferred to the British in protest of the provisions of the Treaty of Amiens. This polity was awarded the George Cross, Britain's highest civilian decoration, due to its people's bravery in the face of Axis bombings in World War II, and the Italian fleet surrendered to the Allies in its capital in 1943. This country was ceded by Charles V to the Knights of Rhodes, and the building of its capital was commissioned by Jean Parisot de la Valette. For 10 points, name this Mediterranean island nation that successfully withstood a 1565 Ottoman siege.

ANSWER: **Malta**

030-09-12-11111

11. One section of this work imagines those "healthy-minded" individuals who cannot understand how those who appear to suffer from "folk diseases" see them as corpse-like. This work analyzes the etymology of a word that stems from "goat-song" in order to claim that a certain body was originally composed of satyrs. This work was reissued with the subtitle "Or: Hellenism and Pessimism," and its author appended an "Attempt at Self-Criticism" to it. It argues that Socrates issued in the Apollonian age, but that the music of Richard Wagner hails back to the earlier Dionysian spirit. For 10 points, name this work that analyzes a Greek dramatic form, an early philosophical book by Friedrich Nietzsche.

ANSWER: *The **Birth of Tragedy** from the Spirit of Music* [or *Die **Geburt der Tragödie** aus dem Geiste der Musik*]

026-09-12-11112

12. These structures are protected by the shelterin complex. In yeast, these structures bind to the SIR2/3/4 complex, and these structures form stacks of G-quadruplexes. Inhibition of Fbx4, which degrades the TRF1 protein that binds to these structures, is one possible mechanism for a universal anti-cancer drug. These parts of a larger structure contain G-rich repeat sequences, and their uncapping can lead to the senescence of somatic cells. The Hayflick limit occurs due to shrinking of these structures after multiple cell divisions, as a result of the end replication problem. For 10 points, name these genetic structures at the ends of chromosomes, whose shortening is associated with aging.

ANSWER: **telomeres** [do not accept or prompt on "chromosomes"]

032-09-12-11113

13. Fernando Sor's opus nine consists of variations for guitar of a theme by this composer. Another theme by this composer provided the basis for the variations and fugue by Max Reger. He wrote his clarinet concerto in A major for Anton Stadler, and composed a fugue based on five themes in the fourth movement of his last symphony. Tchaikovsky's fourth orchestral suite is based on works of this composer, including his setting of the *Ave verum corpus*. According to legend, he transcribed Giorgio Allegri's *Miserere* from memory at age twelve, and his works are categorized by Köchel numbers. For 10 points, name this composer of the *Jupiter* symphony and *Eine Kleine Nachtmusik*.

ANSWER: Wolfgang Amadeus **Mozart**

030-09-12-11114

14. This man called himself "George Certain" in coded letters addressed to "Lambert Certain." His *Apology* dated his ancestry back to Otto II. His first territorial acquisition, done entirely without his knowledge, occurred after a ferryman vastly overestimated the size of de la Mark's forces; that acquisition was commemorated in a poem celebrating the stealing of the spectacles of the Duke of Alva. This man gave letters of marque to the Sea Beggars, which allowed them to raid Spanish ships. He was shot by Balthasar Gerard, a Jesuit priest. For 10 points, name this leader in the war for Dutch Independence, whose grandson of the same name ascended to the English throne during the Glorious Revolution.

ANSWER: **William the Silent** [or **William of Nassau-Dillenberg**; prompt on **William of Orange**]

003-09-12-11115

15. This author wrote a satirical poem accusing rhyming poetry of "wresting words from their true calling" and "propping verse for fear of falling." This author of "A fit of rhyme against rhyme" wrote a play that ends with its characters being invited to dinner by Adam Overdo, who visits the title event along with Winwife and Littlewit. One of this playwright's title characters jumps out of his bed and attempts to seduce the wife of Corvino by singing "Come, my Celia, let us prove / While we may, the sports of love." In another of this author's plays, characters like Abel Drugger and Sir Epicure Mammon are cheated by the team of Dol Common, Subtle, and Face. For 10 points, name this Elizabethan playwright of *Bartholomew Fair*, *Volpone*, and *The Alchemist*.

ANSWER: Ben **Jonson**

034-09-12-11116

16. A preface to this book claims that it is worth memorizing and consuming daily, like the "daily bread of the soul." This book contains verses on "patient continuance in well-doing" and those who "worketh not, but believeth," a central conflict to the *Sola gratia* versus *Sola fide* controversy. One theologian states that its usage of "ho alazon" does not imply a denunciation of hypocritical Jews. This book's author claims not to be "ashamed" and advances the idea that Jews and Gentiles are equal before God in the "dual-covenant." For 10 points, name this Pauline epistle, the first one in order, in which Paul addresses a church in Italy.

ANSWER: Paul's *Epistle to the* **Romans** [accept word order variants including **Romans**]

026-09-12-11117

17. This character is forced to resign from the board of the Providential Premium Reassurance Society in a scandal over Elderson's corrupt investments in the German mark and the firing of Butterfield. Earlier, he hires Philip Bossiney to build an estate at Robin Hill in order to please his wife Irene. He is ultimately killed by a falling painting while saving his daughter Fleur from a house fire in *Swan Song*. Earlier, he had arrived at his uncle Old Jolyon's estate upon hearing of the engagement of his niece June. For 10 points, name this "man of property," the protagonist of a John Galsworthy "saga."

ANSWER: Soames **Forsyte** [or **Soames** Forsyte]

019-09-12-11118

18. One automated approach to this is dynamic slicing. One systematic approach to this is known as delta. The value DEADBEEF has been used historically to aid in this. It often involves the use of after-the-fact data such as core dumps. Commands in the namesake programs of this process are often equivalent to "step", "next", and "continue," which can be called after setting a breakpoint. One technique in this procedure is stack tracing, which shows the stack of current function calls. A widely used program designed to do this is gdb. It often involves looking at the values of variables over the course of a program's execution. For 10 points, name this process of fixing errors and problems in a computer program.

ANSWER: **debug** (or **debugging**; accept other close equivalents)

001-09-12-11119

19. Deutsch and Gerard showed that this action is performed more often at higher degrees of uncertainty. Stanley Milgram found that the French do this less often than Norwegians, and Whittaker and Meade found that this occurs more often among the Bantu, which have sanctions against not doing it, than among Lebanese. The two major types of this behavior are conversion and compliance. The most famous experiment involving this action told participants it was actually a vision test, and pressured subjects to assert that an incorrect line was closer in length to another line after a group of confederates also identified the wrong line. For 10 points, name this action studied by Solomon Asch, in which a person subjugates his private attitudes in the face of implied social norms.

ANSWER: **conforming** [or word forms such as **conformity**]

003-09-12-11120

20. The missing arm of a work by this sculptor may have clutched a bunch of grapes. Two works attributed to this artist are the disembodied *Leconfield Head* and *Aberdeen Head*. He depicted a goddess draping a robe over an urn with her left hand while covering her genitals with her right. Another work by this sculptor depicts an animal on a tree-trunk, about to be smote by a god's outstretched right hand. This sculptor of the bathing *Aphrodite of Cnidos* (NYE-dus) and lizard-killing *Apollo Sauroktonos* created a sculpture of the messenger of the gods holding a young god. For 10 points, name this Greek sculptor of *Hermes Bearing the Infant Dionysus*.

ANSWER: **Praxiteles**

024-09-12-11121

21. The protagonist of this story hears several whispers in a language he doesn't recognize after seeing some unfamiliar stars in strange constellations. That protagonist is distracted from thinking about his wife and children by "a sharp, distinct, metallic percussion" that turns out to be the ticking of his watch. One character in this story tells of a great quantity of driftwood that would easily burn; that character is given water by the protagonist's wife and later revealed to be a Federal scout. The protagonist of this story imagines meeting his wife on his veranda after swimming through some rapids and dodging the bullets of Union soldiers. For 10 points, name this short story in which Peyton Fahrquhar imagines his escape after being hung from the title structure, a work of Ambrose Bierce.

ANSWER: "An **Occurrence at Owl Creek Bridge**"

034-09-12-11122

22. In this group of organisms, Late Embryogenesis Abundant proteins are thought to play a role in preventing damage during droughts. Members of one of its divisions use multi-cellular, branched rhizoids as anchor. Their life cycles include a stage as protonema, a product of spore germination. Although alternation of generation occurs, gametophytes tend to dominate sporophytes, and they require free water to reproduce. For 10 points, name the group of non-vascular plants, which include hornworts, liverworts, and mosses.

ANSWER: **bryophytes** [accept **Bryophyta**; prompt on **mosses**]

034-09-12-11123

23. One story about this man says that he killed his half-brother with a bow and arrow after that man, Bekhter, stole his hunting spoils. He was served by a general known as the "Arrow," who led this man's military campaign against the Kara-Khitan region. One of his greatest accomplishments was winning the Battle of the Badger Mouth, while another victory saw him ferociously smash the Khwarezmi empire and destroy their capitals of Urgench and Samarkand. Another story says that he ordered that his son Jochi be poisoned to allow the more reliable son Ogedei to serve as successor. For 10 points, name this man who had the real name of Temujin, the founder of the Mongol Empire who was later succeeded by grandson Kublai.

ANSWER: **Genghis Khan** [accept **Temujin** until mentioned]

052-09-12-11124

1. Late in his career, this author moved significantly to the right and wrote the anti-Communist novels *Most Likely to Succeed* and *The Great Days*. For 10 points each:

[10] Name this American author who provided a dizzying look at the early history and culture of twentieth-century America in his trilogy *U.S.A.*.

ANSWER: John Roderigo **Dos Passos**

[10] The *U.S.A.* trilogy ends with Mary French unsuccessfully protesting the verdict in this case, which inspired Maxwell Anderson to write *Winterset*.

ANSWER: the **Sacco** and **Vanzetti** trial

[10] The major villain in the *U.S.A.* trilogy may be this character, who is ironically born on the fourth of July. He runs an influential advertising agency which employs his protege, Dick Savage, and has a talent for performing skilled public relations for corrupt companies.

ANSWER: John Ward **Morehouse** [or **J. Ward**; or **J. W.**]

052-09-12-11201

2. All three stanzas of this song end with the title two words, which are repeatedly sung after the line "Jammo, jammo 'ncoppa, jammo jà." For 10 points each:

[10] Name this song composed in 1880 by Luigi Denza to lyrics by Peppino Turco. It celebrates the opening of the first inclined railway up Mount Vesuvius.

ANSWER: "**Funiculi, Funicula**"

[10] This other Neapolitan song was composed by Eduardo Di Capua in 1898. Its singer remarks "What a beautiful thing is a sunny day," but then sings that his brighter sun is "upon your face."

ANSWER: "**O Sole Mio**"

[10] This Italian tenor sang renowned versions of "Funiculi, Funicula" and "O Sole Mio." He sang with Plácido Domingo and José Carreras as the Three Tenors.

ANSWER: Luciano **Pavarotti**

004-09-12-11202

3. This god was killed by the dwarves Fjalar and Galar, who fermented his blood to create the mead of poetry. For 10 points each:

[10] Name this wisest of the Norse gods, who was created from the combined saliva of the Aesir and the Vanir.

ANSWER: **Kvasir**

[10] This god persuaded Sutting's daughter Gunnlod to let him drink the mead of poetry. He rode the eight-legged horse Sleipnir and was devoured by the wolf Fenrir during Ragnarok.

ANSWER: **Odin** [or **Wodan**; or **Wotan**]

[10] Fjalar and Galar also murdered Gilling, a member of this race of giants with superhuman strength that lived in a eponymous densely forested realm.

ANSWER: **jötunn** [or **jötunnheimr**]

004-09-12-11203

4. Walter Model was to lead to forces attacking south from Orel, while forces under the command of Erich von Manstein attacked from Kharkov, which was to the north. For 10 points each,

[10] That formed the basis of Operation Citadel, the German plan of attack that led to which battle?

ANSWER: Battle of **Kursk**

[10] The Battle of Kursk saw the largest engagement in the history of the world between this type of vehicle; Soviet ones used during World War II include the Kliment Voroshilov and the T-26.

ANSWER: **tanks**

[10] One of the German commanders at Kursk, Gunther von Kluge, later killed himself before being arrested for participating in what scheme to assassinate Hitler in 1944?

ANSWER: twentieth of **July plot**

040-09-12-11204

5. After getting in a knife fight, the leading male character in this movie is expelled from the circus run by Mr. Giraffe. For 10 points each:

[10] Name this neorealist movie in which Anthony Quinn plays the strongman Zampanò, whose brutish nature is finally changed by the death of Gelsomina.

ANSWER: *La strada* [or *The Road*]

[10] *La strada* was directed by this filmmaker, who also directed *Eight and a Half* and *La Dolce Vita*.

ANSWER: Federico **Fellini**

[10] Fellini is an influential director from this nation, which also spawned films such as *The Bicycle Thief* and *Life is Beautiful*, which starred Oscar-winner Roberto Benigni.

ANSWER: **Italy** [or **Italian Republic**; or **Repubblica italiana**]

004-09-12-11205

6. The Axe Murder Incident occurred in this region in 1976. For 10 points each:

[10] Give this term for the border between North and South Korea along the 38th parallel.

ANSWER: **DMZ** [or **Demilitarized Zone**]

[10] This village in the Demilitarized Zone was site of the signing of an armistice ending the Korean War.

ANSWER: **Panmunjom**

[10] Until the Axe Murder Incident, this bridge along the Demilitarized Zone was used to exchange prisoners between North and South Korea.

ANSWER: **Bridge of No Return**

064-09-12-11206

7. This work's chapters consider Odysseus, Juliette, and elements of anti-semitism. For 10 points each:

[10] Name this 1944 book by Theodor Adorno and Max Horkheimer.

ANSWER: *The Dialectic of Enlightenment*

[10] *The Dialectic of Enlightenment* coined this two word phrase in a chapter subtitled "Enlightenment as Mass Deception." This entity is described as a factory which churns out mass produced content that keeps the masses obedient to the markets.

ANSWER: **culture industry**

[10] Adorno and other Frankfurt School thinkers were deeply influenced by this author of *On Narcissism*. He wrote about the development of religion in *The Future of an Illusion* and coined the term "Oedipus complex."

ANSWER: Sigmund **Freud**

040-09-12-11207

8. "Prolapse" of this structure usually results in a heart murmur. For 10 points each:

[10] Name this structure that, when normally working, prevents blood from prematurely entering the left ventricle or splashing back into the left atrium.

ANSWER: **mitral valve** [or **bicuspid valve**; prompt on heart **valve**]

[10] These structures connect the mitral valve to the papillary muscles and are pulled taut during systole.

ANSWER: **chordae tendonae**

[10] At the other end of the left ventricle is this other heart valve that opens to let blood into its namesake largest artery in the body.

ANSWER: **aortic** valve

003-09-12-11208

9. Comic relief in this play is provided by Tony, who sings a drinking song that begins "Let schoolmasters puzzle their brain / With grammar, and nonsense, and learning." For 10 points each:

[10] Name this play about Charles Marlow, who overcomes his nervousness courting Kate Hardcastle when she pretends to be a barmaid.

ANSWER: ***She Stoops to Conquer***

[10] *She Stoops to Conquer* was written by this Irish author, a close friend of Samuel Johnson. He wrote about Reverend Charles Primrose in his novel *The Vicar of Wakefield*

ANSWER: Oliver **Goldsmith**

[10] Goldsmith wrote "Ill fares the land, to hastening ills a prey / Where wealth accumulates and men decay" in this poem written as a reaction to the Inclosure Acts. It describes the former vibrant life of the title location, which the speaker calls "Sweet Auburn."

ANSWER: "The **Deserted Village**"

064-09-12-11209

10. This movement inspired Caribbean authors such as Patrick Chamoiseau, Raphaël Confiant and Jean Bernabé to develop the ideology of "creolity." For 10 points each:

[10] Name this literary and cultural movement founded by Léon Damas, Aimé Césaire, and Léopold Senghor, which affirmed and celebrated a black African identity separate from the colonial West.

ANSWER: **Négritude**

[10] This Nigerian author declared that "a tiger does not proclaim its tigritude" to criticize the self-absorption of Négritude. He drew from Yoruban cultural traditions to write his plays *The Strong Breed* and *Death and the King's Horseman*.

ANSWER: Wole **Soyinka**

[10] Césaire coined the word negritude in this long poem, which proclaims that the speaker's negritude "plunges into the red flesh of the soil" instead of being "a white speck of dead water on the dead eye of the earth." It uses surreal prose paragraphs to imagine coming back to Martinique.

ANSWER: "**Notebook of a Return to my Native Land**" [or "**Notebook of a Return to the Native Land**"; or "**Cahier d'un retour au pays natal**"]

004-09-12-11210

11. Name the following things somewhat related to working with uranium, for 10 points each.

[10] This law, which is useful in uranium purification, states that the rate that a gas leaks through a pinhole is inversely proportional to the square root of the molar mass of that gas.

ANSWER: **Graham's** Law of Effusion

[10] PUREX, a procedure for recovering fuel from nuclear waste, is a variation on this chemical technique, in which a substance selectively chooses between an aqueous and organic phase. The corresponding phase is then removed.

ANSWER: Liquid-Liquid **extraction**

[10] Liquid-liquid extractions commonly occur in a separating funnel, which contains one of these valves at the bottom. They are also found in burets.

ANSWER: **Stopcock**

023-09-12-11211

12. For 10 points each, name these battles from twentieth-century Italy.

[10] Operation Judgment was the codename for this World War II British air raid on the Italian navy that was launched from the *HMS Illustrious*; the Italians lost nearly half of their naval power in one day.

ANSWER: Battle of **Taranto** [or Battle of **Tarentum**]

[10] John Lucas initially led the amphibious assault at this marshy site in Lazio, but the preparations of General Kesselring turned what could have been a swift victory to a several month long affair. It allowed Allied forces to enter Italy.

ANSWER: Battle of **Anzio**

[10] This "twelfth battle of the Isonzo" was Italy's biggest World War I disaster, and saw around half of the country's army captured by Austria.

ANSWER: Battle of **Caporetto**

040-09-12-11212

13. [NOTE TO MODERATOR: Please do not read the alternative answer to the second part, but obviously do accept it if given.]

The Airy disk is the intensity pattern when this phenomenon occurs around a circular aperture. For 10 points each:

[10] Name this bending of waves around obstacles.

ANSWER: **diffraction**

[10] This principle can be used to explain diffraction as the result an initial wavefront emitting secondary waves, some of which make it around an obstacle or through an aperture.

ANSWER: **Huygens'** principle [or the **Huygens-Fresnel** principle]

[10] Huygens' principle is especially useful in characterizing this diffraction regime, which occurs when the dimensionless number obstacle-size-squared over wavelength times observer distance is large.

ANSWER: **near-field** diffraction [or **Fresnel** diffraction]

032-09-12-11213

14. He introduced the use of stenciled letters into Cubism with a 1910 still life of a newspaper, which included the letters "B-A-L" across the top, *The Portuguese*. For 10 points each:

[10] Name this painter who co-founded the Cubist movement with Picasso.

ANSWER: Georges **Braque**

[10] Braque depicted the title resident-less "Houses" of this town in Aix-en-Provence as orange prisms jutting at various angles, interrupted only by trees.

ANSWER: **L'estaque** [or *Houses at L'estaque*]

[10] This art critic accused Braque of only painting "cubes," thus naming the Cubist movement. He had earlier coined the name of Fauvism when he exclaimed "Donatello among the wild beasts!"

ANSWER: Louis **Vauxcelles** (vah-SAY)

019-09-12-11214

15. In rituals they are often summoned by a Bokor. For 10 points each:

[10] Name these spirits, intermediaries between mankind and Bondye, often syncretized with Catholic saints. Papa Legba helps them communicate with humans.

ANSWER: **Loa** (Low-ah)

[10] The loa are the spirits of this religion, whose priests and priestesses are the houngan and mambo. This religion and its variants are observed in West Africa, Haiti, and Louisiana.

ANSWER: **vodoun** [or **voodoo**]

[10] This loa of death often is depicted well dressed and with a prominent hat. He is also said to be fond of rum and tobacco.

ANSWER: Baron **Samedi**

002-09-12-11215

16. This prime minister's policy of unrestricted reciprocity with the United States was rejected in the 1891 general election. For 10 points each:

[10] Name this politician who oversaw the creation of the provinces of Alberta and Saskatchewan during his term as the Prime Minister of Canada, which lasted from 1896 to 1911.

ANSWER: Sir Wilfrid **Laurier**

[10] From 1887 to 1919, Laurier was the leader of this Canadian political party, which opposed Robert Borden's Conservative Party.

ANSWER: **Liberal** Party

[10] In 1878, this Conservative politician was elected Prime Minister under the slogan "The Old Flag, The Old Policy, The Old Leader," defeating Wilfrid Laurier. After the passage of the British North America Act of 1867, he was selected as Canada's first Prime Minister.

ANSWER: Sir John Alexander **MacDonald**

004-09-12-11216

17. Answer these questions about the accomplishments of Augustin-Louis Cauchy, for 10 points each.

[10] The Cauchy test can determine whether a series has this property, which comes in absolute and uniform varieties. Other tests for it include the ratio and root tests.

ANSWER: **convergence** [accept **divergence**; accept word forms like **converge**]

[10] For two vectors x and y, the Cauchy-Schwarz inequality states that the square modulus of this operation between x and y is less than or equal to this operation between x and itself times operation between y and itself. This two-parameter operation maps vectors to numbers. One form of it is the Euclidian dot.

ANSWER: **inner product** [or **scalar product**]

[10] The Cauchy-Riemann differential equations determine if a differentiable function has this property. A function with this property on a set has an unambiguous complex derivative at every point on the set.

ANSWER: **holomorphic** [or **analytic**; accept **entire**]

064-09-12-11217

18. "His Sayings" includes Jeems Rober'son's last illness. For 10 points each:

[10] Name this narrator of several collections of American folktales including "The Wonderful Tar-Baby Story."

ANSWER: Uncle **Remus**

[10] This character found in several of Uncle Remus stories tricks Fox into throwing him a patch of thorny plants.

ANSWER: **Br'er Rabbit**

[10] This author of *The Shadow Between His Shoulder-Blades* wrote the Uncle Remus tales.

ANSWER: Joel Chandler **Harris**

001-09-12-11218

19. Stewart Van Vliet was dispatched by William Harney to this territory with a letter indicating concern over the treatment of Judge Stiles. For 10 points each:

[10] Name this territory that was the site of an 1857-58 conflict that attempted to install Alfred Cumming as its governor and included the destruction of Fort Bridger.

ANSWER: **Utah**

[10] The Utah War was a dispute between U.S. forces and members of this faith that were led at the time by Brigham Young.

ANSWER: **Mormons**

[10] A Mormon brigade during the conflict was named after this Illinois town where Joseph Smith had founded a prominent Mormon community.

ANSWER: **Nauvoo**

040-09-12-11219

20. In this play, Hugo Pludek's parents arrange an appointment with him to see Mr. Kalabis, who works at the Liquidation Office. For 10 points each:

[10] Name this play in which Pludek's identity is eroded to the point where his parents cannot recognize him.

ANSWER: *The* **Garden Party** [or **Zahradni slavnost**]

[10] The languages of ptydepe and chorukor feature in the plot of this other play which begins with Josef Gross receiving the title communication.

ANSWER: *The* **Memorandum** [or **Vyrozumeni**]

[10] *The Garden Party* and *The Memorandum* are both plays by this author who was also the first president of the Czech Republic.

ANSWER: Vaclav **Havel**

040-09-12-11220

21. This structure contains sphingolipids, and structures like lipid rafts and caveolae that contain particularly large amounts of cholesterol. For 10 points each:

[10] Name these structures, formed from a bilayer of phospholipids, which are described by the fluid mosaic model.

ANSWER: **cell membranes**

[10] The cell membranes of different cells host these structures, which employ cadherins cell-cell adhesion. Hemi- ones use proteins like integrins to attach cells to the extracellular matrix.

ANSWER: **desmosomes**

[10] Desmosomes anchor these parts of the cytoskeleton to the cell membrane. They include keratins and vimentins and have no known associated motor proteins.

ANSWER: **intermediate filaments** [do not accept "microfilaments" or "actin filaments"]

022-09-12-11221