

1. One sect of this religion was founded by Prince Emanuel Edwards. The Twenty-One Points served as the foundation for the Routinization of this religion, whose early leaders included Joseph Hibbert, Archibald Dunkley, and Leonard Howell. Members of this religion do not use the words “me” and “you;” instead they use “I and I.” This religion propounds a salt and condiment-free diet, part of its I-tal code which regards the body as a temple. It rejects the concept of a European Jesus, claiming that since Solomon was black, so was the Christ. For 10 points, name this religion that regards Haile Selassie as an incarnation of God, which is popular in Jamaica.

ANSWER: **Rastafarianism**

003-09-12-01102

2. The protagonist of this work meets with a chaplain who tells him the fable of the doorkeeper after an Italian businessman fails to show up at the cathedral. Earlier, this work's protagonist meets the tradesman Block, a pathetic figure dominated by the lawyer Huld. A nurse named Leni offers to become the lover of the protagonist of this work. As the main character of this novel is abducted by two men in black, he sees Fraulein Burstner. The protagonist of this novel eventually submits to dying “like a dog.” For 10 points, a bank clerk is arrested on his thirtieth birthday and executed on his thirty-first in what novel about Josef K by Franz Kafka?

ANSWER: *The **Trial*** [or *Der **Prozess***]

034-09-12-01103

3. This man proposed the Koryo Confederation which would have resulted in a loose merger between two nations, and agents from his nation attempted to assassinate Chun Doo Hwan in Burma in 1983. He died prior to attending an unprecedented summit with Kim Young Sam. This man ordered a failed attack on the Blue House of a neighboring country. He agreed to the release of the crew of the *Pueblo* at Pammujan in 1968. This man became chairman of the KWP in 1949, and he instituted the Juche self-reliance principles in his nation. For 10 points, name this man who led North Korea from 1948 to 1994, the father of Kim Jong Il.

ANSWER: **Kim Il Sung** [or **Kim Song Ju**]

030-09-12-01104

4. Modifications to this law have been presented by Paynter and Sassaroli, and those modifications include an additive term G and a multiplier called the DPF. It is used in calculating the amount of bilirubin in blood plasma, and monochromatic incident radiation is required for this law to hold. The absorption coefficient α and ratio of the intensities of incident and transmitted light are factors in this law, which also includes the molar absorptivity of the sample concerned. For 10 points, name this law that linearly relates the absorbance of a sample and the concentration of that sample.

ANSWER: **Beer**-Lambert law

032-09-12-01105

5. George Pugh and Edson Olds wanted this group to hold an alternative convention in Cincinnati. One member of this group, Marcus Pomeroy, wrote that the president was "the fungus from the corrupt womb of bigotry and fanaticism." Members were sometimes also known as Butternuts. A speech by their most prominent leader provoked the sitting president to describe this group as "the fire in the rear." That leader was Clement Vallandigham. Sherman's capture of Atlanta crushed their chances of winning the 1864 presidential election. For 10 points, name these conservative, anti-war Democrats who called for Washington to give in to Confederate demands.

ANSWER: **Copperheads** [or **Peace Democrats**; or **Butternuts** early]

063-09-12-01106

6. This composer controversially used winds and a female choir to voice Christ on the road to Damascus in his oratorio *St. Paul*. Another of his works includes a "series of interlocking tritones" representing a drought and includes the hymn "Baal, we cry to thee." This composer quoted the "Dresden Amen" throughout his fifth symphony, whose fourth movement is based on the hymn "A Mighty Fortress is Our God." In 1829, this composer conducted a revival of Bach's *St. Matthew Passion*. This composer of the oratorio *Elijah* was inspired by the anniversary of the Augsburg Confession to write his *Reformation* Symphony. For 10 points, name this German composer of the *Scottish Symphony* who wrote a memorable *Wedding March* for his incidental music to *A Midsummer Night's Dream*.

ANSWER: Felix **Mendelssohn**

015-09-12-01107

7. The inner section of this region contains objects with Tisserand parameter less than three that are dominated by interactions with Jupiter. The original estimate of the size of this system was obtained by setting its semi-major axis to the average maximum distance of a set of 19 known orbits. A secondary structure that exchanges matter with this one is named for Hill. A hypothetical object that would traverse this location with a period of approximately 30 million years is Nemesis. Hypothesized as a reservoir necessary because icy objects cannot reside long near the sun, this structure is currently thought to begin at about 50,000 astronomical units. For 10 points, name this structure past that defines the gravitational outer edge of the solar system, the source of long-period comets.

ANSWER: the **Oort** cloud

064-09-12-01108

8. This document claimed that the person to whom it was addressed had refused a golden crown in favor of a phrygium. The creator of this document claims to have served as that addressee's groom and to have met with the addressee while accompanied by his high ranking satraps. The namesake of this document claims to be moving to the east and leaving his lands to its addressee, Sylvester I. This document's veracity was attacked by Nicolas of Cusa and Lorenzo Valla. For 10 points, name this forgery in which the first Christian Roman emperor allegedly gave land in Italy and other authority to the pope and Catholic Church.

ANSWER: "**Donation of Constantine**" [or "**Donatio Constantini**"; or "**Constitutum Constantini**"]

023-09-12-01109

9. The speaker of this poem asks "Can storied urn or animated bust / Back to its mansion call the fleeting breath?" and imagines "Hands, that the rod of empire might have sway'd," whose "noble rage" was repressed by "chill penury." This poem ends with its speaker envisioning a "hoary-headed swain" leading a "kindred spirit" to his epitaph, which describes how the speaker's merits and frailties repose in "the bosom of his Father and his God." This poem imagines a "village-Hampden" and a "mute inglorious Milton" lying in the title location after claiming "Full many a flower is born to blush unseen." This poem declares that "the paths of glory lead but to the grave," and begins as "The curfew tolls the knell of parting day." For 10 points, name this poem by Thomas Gray about a rural graveyard.

ANSWER: "**Elegy Written in a Country Churchyard**"

015-09-12-01110

10. In one section of this work, the reason for asking what the value of a Roman penny was is given as an example of an "unguided" as opposed to "regulated" train of thought. Another part of this work discusses "virtues intellectual" as having a "natural" and "acquired" type, the former being partially made up of the "celerity of imagining." This work claims the change in the mind of an image once it is no longer seen is man's "decaying sense" in the section "Of Imagination." For 10 points, name this work with sections "Of Man" and "Of Commonwealth" that says life in a state of nature is "nasty, brutish, and short," and which was written by Thomas Hobbes.

ANSWER: *The Leviathan or the Matter, Forme, and Power of a Common Wealth Ecclesiasticall and Civil*

023-09-12-01111

11. Just outside of this city one can find the Miramar castle, used by Emperor Maximilian I. The Friulian language can be heard among residents of this city. In this city, one can find the Risiera di San Sabba, a German concentration camp, along with Richard's arch, so named because it was once crossed by Richard the Lionhearted. This city was the subject of the Treaty of Osimo and was divided by the Morgan Line. Those treaties occurred after World War Two, which saw this city made into an international zone, with the eastern half eventually going to the former Yugoslavia. For 10 points, name this port that lies on Italy's eastern border with Slovenia.

ANSWER: **Trieste**

064-09-12-01112

12. This character examines his racial prejudices after meeting Oliver Marchand and briefly joins his rival Angus Duer at Rouncefield. He opposes the crass materialism of A. DeWitt Tubbs and Rippleton Holabird, who pressure him to publish before he is ready. At the end of the novel in which he appears, this character leaves his second wife Joyce Lanyon and retreats to Birdie's Nest to work with his friend Terry Wickett. He voyages to St. Hubert to combat a plague, although the deaths of Gustaf Sondelius and his wife Leora cause him to abandon his experiment. This disciple of Max Gottlieb works at the McGurk Institute, where he successfully isolates a bacteriophage. For 10 points, name this bacteriologist, the title character of a 1925 novel about medicine by Sinclair Lewis.

ANSWER: **Martin** Arrowsmith [or Martin **Arrowsmith**]

015-09-12-01113

13. This god failed to burn a boy and his reed after boastfully claiming he could engulf everything. This deity's mount had the ability to separate mixtures of milk and water, and he himself was said to have developed five heads by gazing at Shatarupa. When enlisted to partake in the yajna fire-sacrifice, this deity was too entranced by the music-playing of his wife to notice Bhriгу, who cursed him to never be worshiped. This creator of the progenitor prajapatis took a second consort named Gayatri, rode the swan Hamsa, and emerged from a lotus in the naval of Vishnu. For 10 points, name this husband of Saraswati, the creator god of the Hindu Trimurti.

ANSWER: **Brahma**

015-09-12-01114

14. One type of these constructs named for Paul Spahn makes use of a "crawling peg" to identify and prevent abuse of currency markets. That type is an updated version of one of these proposed by James Tobin after the collapse of the Bretton Woods system. Henry George advocated eliminating all of these that were not based on the value of land. Assessment is important in the "ad valorem" type, and a type of these that corrects for negative externalities is named for Arthur Pigou. The "excess burden" of this phenomenon can lead to deadweight loss. For 10 points, name these economic constructs which can be regressive or progressive and which come in sales and income varieties.

ANSWER: **taxes** [or **taxation**]

015-09-12-01115

15. This artist wrote "As I Can" in Greek across the top of one of his frames. In the background of one painting by this artist, a man in a turban stands next to a man bent over a balcony looking down at a river. In that painting, an angel holds a crown above the title figure's head while the baby in her lap holds an orb with a cross. This painter of *Madonna of Chancellor Rolin* also painted a work in which scenes from the Passion are on ten medallions set around a mirror and a cherry tree is visible through a window. For 10 points, name this painter of *Man in a Red Turban*, who also depicted a single lit candle in a chandelier and a small dog in his painting of a couple in their bedchamber, *The Arnolfini Wedding*.

ANSWER: Jan van **Eyck**

023-09-12-01116

16. In quantum field theories the difference between the vacuum state energy and the next-highest state energy is this quantity's "gap." In nuclear physics, the binding energy is equivalent to the so-called defect in this quantity. In the matrix for the seesaw mechanism, both Dirac and Majorana terms for this quantity exist; that mechanism imparts this quantity to neutrinos. The continuity equation describes the conservation of this quantity in fluids. The Compton wavelength varies between particles as one over this quantity. Obtained in the standard model by symmetry breaking of the Higgs field, for 10 points, identify this quantity which when multiplied by the gravitational acceleration yields the weight.

ANSWER: the **mass** [prompt on **m**]

001-09-12-01117

17. One of this artist's works depicts a streetcar driver watering down his horses in the title Harlem location. This artist of *The Hand of Man* and *The Terminal* produced a work which features a gangplank separating two levels of people, men on the top level and women on the bottom, as they stand aboard a ship. This man operated the gallery 291, which showcased many works of the artistic group that he co-founded, the "Photo-Secessionists." This creator of *The Steerage* often photographed the hands of his wife, who often painted cattle skulls and flowers. For 10 points, name this photographer who was married to Georgia O'Keeffe.

ANSWER: Alfred **Stieglitz**

052-09-12-01118

18. One character in this story describes how the aspiring chiropractor Harvey Hill successfully popped a sty on the neck of her daughter Glynesse. The protagonist of this story enjoys wearing a yellow sweat shirt with a faded cowboy on it, and responds to a remark that "a smile never hurt anyone" by declaring "Malebranche was right: we are not our own light!" At the end of this story, a salesman exclaims "I been believing in nothing ever since I was born!" after taking a flask of whiskey, condoms, and obscene playing cards from a hollow Bible. The climax of this story occurs in the loft of a barn, where the wooden leg of Hulga Hopewell is stolen by Manley Pointer. For 10 points, name this Flannery O'Connor short story whose ironic three-word title refers to the quality of rural individuals.

ANSWER: "**Good Country People**"

052-09-12-01119

19. One key component of these structures is recognized by TLR5, and the slender-body and resistive-force theories explain their function. In humans this and similar structures use tektin B1. Preparation of these in archaea use a prepilin peptidase homologue and are similar to type IV pilus systems. Bacterial ones are similar to type III secretion systems. They have C and MS rings and their action comes from MotA and B proteins. Consisting of a hook, rod, filament, and motor, and the parts located in and near the cell membrane are known as the basal body. They can work by rotating or moving back and forth. For 10 points, name these structures that allow microbes to move that are also present on sperm.

ANSWER: **flagellum** [or **flagella**]

001-09-12-01120

20. This man closed the Black Chamber, of which he said "gentlemen do not read other gentlemen's mail." He lost to John Alden Dix in the 1910 New York gubernatorial election and served as the chair of the U.S. delegation to the London Naval Conference in 1930. He succeeded Leonard Wood as Governor-General of the Philippines and named a statement that said the United States will not recognize any territorial change brought about from aggressive action. For 10 points, name this man who named a U.S. foreign policy doctrine issued after the Japanese invasion of Manchuria and served as Franklin Roosevelt's secretary of war during World War Two.

ANSWER: Henry Lewis **Stimson**

064-09-12-01121

21. This man threatened the amir Ibrahim with burning down Kilwa, and he formed alliances with the rulers of Cochin and Cannanore to combar the Zamorin of Calicut. This man was honored with the founding of the Jeronimos monastery in Belem, and this man ordered the *Sao Rafael* to be burned near Malindi. He erected pillars known as padraos at locations such as the Rio dos Bons Sinais, and King Manuel I commissioned Pedro Alvares Cabral's expedition following this man's successes. This man was named viceroy in India in 1524. For 10 points, name this Portuguese explorer who opened trade routes from Western Europe to the East Indies via the Cape of Good Hope.

ANSWER: Vasco **da Gama**

030-09-12-01122

22. This mathematician proved the product sum identity for a real-number analogue of the Riemann zeta function and used its divergence at a value of one to show that there are infinitely many primes. As n goes to infinity, the difference between the n th harmonic number and the natural log of n goes to a constant of which he is the first namesake and that is symbolized gamma. For a polyhedron, the number of vertices minus number of edges plus number of faces is equal to his namesake characteristic, chi [rhymes with "eye"]. He inaugurated graph theory by solving the Seven Bridges of Königsberg [KER-nigs-bairg] problem. For 10 points, name this prolific mathematician who discovered a constant equal to about 2.718, the usual symbol for which is his last initial.

ANSWER: Leonhard Paul **Euler** [OIL-er]

024-09-12-01123

23. One character in this poem builds an altar out of "twelve vast French Romances" and "all the trophies of his former love" which he lights on fire with a "billet-doux." In the fourth part of this poem, a "dusky melancholy Spright" is given a bag of sighs and a vial of sorrows from the Queen of Spleen. The main character of this poem triumphantly wins a game of ombre in its third canto, and is guarded by a group of spirits called Sylphs led by Ariel. It opens by observing "what mighty contests rise from trivial things," and was based on an incident between Lord Petre and Arabella Fermor. For 10 points, name this mock epic poem written in heroic couplets in which the Baron snips off a curl of Belinda's hair, written by Alexander Pope.

ANSWER: "The **Rape of the Lock**"

015-09-12-01124

1. One of its namesakes is attached to an involved constant representing substrate concentration at half of V_{max} . For 10 points each:

[10] Name this doubly-eponymous model of enzyme kinetics.

ANSWER: **Michaelis Menten** kinetics

[10] The interpretation of Michaelis Menten introduced by Briggs and Haldane uses this assumption that the concentration of enzyme substrate complex doesn't change.

ANSWER: **steady state**

[10] Michaelis-Menten kinetics predicts that the plot of velocity versus concentration for a non-cooperative enzyme has this shape.

ANSWER: **hyperbolic** [accept word variants]

001-09-12-01201

2. Shula steals a manuscript from Dr. V. Govinda Lal to convince this novel's title character to finish the memoirs of H.G. Wells. For 10 points each:

[10] Name this novel about a one eyed Holocaust survivor who lectures at Columbia and is disgusted with the sexual permissiveness and the perceived moral decay of the 1960s.

ANSWER: **Mr. Sammler's Planet**

[10] This author of *Herzog* wrote *Mr. Sammler's Planet* and the picaresque novel *The Adventures of Augie March*.

ANSWER: Saul **Bellow**

[10] The title character of this Bellow novel hears a voice crying "I want, I want," causing him to travel to Africa, where he befriends the chief Dahfu and becomes an important figure in a Wariri village.

ANSWER: **Henderson the Rain King**

015-09-12-01202

3. One painting by this man features a girl in a yellow dress standing atop a galloping horse as a crowd watches. For 10 points each:

[10] Name this French artist of *The Circus* and *Circus Sideshow*.

ANSWER: Georges-Pierre **Seurat**

[10] Seurat also painted this pointillist work that shows a group of people, including a woman holding a monkey on a leash, lounging along the Seine River.

ANSWER: A **Sunday Afternoon on the Island of La Grande Jatte** - 1884 [accept **Isle** for "island"; or *Un dimanche après-midi à l'Île de la Grande Jatte* - 1884]

[10] Seurat founded pointillism along with this painter, who painted numerous scenes of the southern French city of Saint-Tropez, in addition to the *Portrait of Felix Feneon*.

ANSWER: Paul **Signac**

064-09-12-01203

4. These cells can be classified as pluripotent or totipotent depending on how many different cell types they can turn into. For 10 points each:

[10] Name these unspecialized cells that have the ability to become a diverse range of specialized cells.

ANSWER: **stem** cells

[10] This is the process by which a stem cell becomes specialized. Stem cells undergo this process during the formation of the blastocyst.

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

[10] Stem cells gone wild have the ability to form this kind of tumor, named because it comprises a mix of many different tissue types.

ANSWER: **teratoma**

064-09-12-01204

5. Languages that have this grammatical feature have nouns that are "declined." For 10 points each:

[10] Name this grammatical feature that comes in "nominative" and "dative" types.

ANSWER: grammatical **case**

[10] English lumps this case together with the dative and ablative cases to form the "objective" case. It indicates that a noun is the direct object of a verb.

ANSWER: **accusative** [accept **acc**]

[10] In Latin, nouns in this declension are typically masculine, and are typically declined by adding a suffix with a "u" in it.

ANSWER: **fourth** declension [prompt on **u**]

026-09-12-01205

6. This discipline is viewed as a "theodicy" in a work that considers its progression in relation to the "zeist," or "spirit." For 10 points each:

[10] Name this discipline, which was said to bypass Africa in a series of lectures given at the University of Berlin in the 1820s.

ANSWER: world **history** [accept *Lectures on the Philosophy of [World] **History***; or *Vorlesungen über die Philosophie der Weltgeschichte*]

[10] This philosopher gave the *Lectures on the Philosophy of History*, which prompted Alexandre Kojève to proclaim the "end of history." This thinker also penned *Phenomenology of Spirit*.

ANSWER: Georg Wilhelm Friedrich **Hegel**

[10] This thinker proclaimed that liberal democracy's triumph over communism would usher in the end of history in a 1992 work.

ANSWER: Yoshihiro Francis **Fukuyama**

026-09-12-01206

7. This technique can be used to write a very simple algorithm to compute the factorial function as the factorial of n can be defined directly as n times the factorial of n-1. For 10 points each:

[10] Name this programming method in which functions call themselves.

ANSWER: **recursion** (accept word forms like **recursive**)

[10] Recursion is illustrated by this general tactic, in which an algorithm breaks a problem into smaller instances of the same problem, then combines the solutions to the smaller problems into a solution of the larger problem. Merge sort is perhaps the archetypal example of this strategy.

ANSWER: **divide and conquer**

[10] The Karatsuba and Toom-Cook algorithms are divide-and-conquer algorithms that can perform this operation in time that is sub-quadratic with the input size.

ANSWER: **multiplication** of integers

059-09-12-01207

8. The death of Don Gomes in this play leads to a duel between the title character and Don Sanche. For 10 points each:

[10] Name this play in which the Castilian son of Don Diegue is part of a love triangle with Chimene and Urrique.

ANSWER: *Le Cid*

[10] *Le Cid* was written by this author of *Medea* as well as a work in which Alcandre and Pridamont look for Pridamont's son Clindor, *The Comic Illusion*.

ANSWER: Pierre **Corneille**

[10] This other French playwright was born Jean-Baptiste Poquelin and wrote the comedies *Tartuffe* and *The Misanthrope*.

ANSWER: **Molière**

059-09-12-01208

9. This man tied a string to an ant in order to thread a seashell, causing him to be discovered by Minos. For 10 points each:

[10] Name this craftsman who designed the labyrinth for the Minotaur, as well as wax wings that he and his son used to escape Crete.

ANSWER: **Daedalus**

[10] Daedalus built a wooden cow that this wife of Minos used to mate with a bull, resulting in the birth of the Minotaur.

ANSWER: **Pasiphae**

[10] Minos's own strange sexual affliction made him ejaculate scorpions and snakes due to a curse by Pasiphae. That curse was lifted by this wife of Cephalus, who received the dog Laelaps in gratitude.

ANSWER: **Procris**

004-09-12-01209

10. This character was born from a rock on the summit of Flower Fruit Mountain, and is able to travel one hundred and eight thousand li in a single somersault. For 10 points each:

[10] Name this character trapped in a mountain by the Buddha, who helps the monk Xuanzang after being tricked into putting on a magic headband that he cannot remove.

ANSWER: **Sun Wukong** [or the **Monkey King**]

[10] Sun Wukong helps Xuanzang retrieve Buddhist sutras from India in this Classical Chinese novel.

ANSWER: ***Journey to the West*** [or ***Monkey***; or ***Xi You Ji***]

[10] Sun Wukong's many powers include being able to transform these bodily objects into clones, fighting monkeys, and pretty much any objects he wants. Guanyin gives him three of these to be used in emergencies.

ANSWER: **hairs**

004-09-12-01210

11. A song called about this event is called "The Fields of Athenry." For 10 points each:

[10] Name this 1840s, event which saw a particular island's population drop by almost twenty-five percent due to death and immigration, all due to the failure of a crucial crop.

ANSWER: **Irish Potato** Famine [accept equivalents if they have **Ireland** and **Potato**; prompt on partial answers; accept **Gorta Mor**]

[10] This Conservative was the British Prime Minister during the potato famine. He urged the repealing of the Corn Laws in an effort to provide more food for the starving Irish.

ANSWER: Robert **Peel**

[10] This Irish leader, known as the "Liberator," urged for an independent Irish parliament, which he felt would have the authority needed to combat the famine. A staunch opponent of the Act of Union, he died on a pilgrimage to Rome in 1847.

ANSWER: Daniel **O'Connell**

052-09-12-01211

12. Name these Canterbury Tales for 10 points each:

[10] This first tale tells of Arcite and Palamon's imprisonment and subsequent infatuation with Emily, a relation of Duke Theseus of Athens.

ANSWER: The **Knight's** Tale

[10] In this tale, the rooster Chanticleer tricks a fox into opening his mouth so he can escape.

ANSWER: The **Nun's Priest's** Tale

[10] This storyteller precedes the Nun's Priest. He claims to have one hundred stories of the tragic downfall of figures like Lucifer, Hercules, and Ugolino, but only gets through seventeen of them before he is interrupted by the knight.

ANSWER: The **Monk's** Tale

015-09-12-01212

13. A mass on a spring is typical example of this system. For 10 points each:

[10] Name this system in which the force acting on a body is proportional to minus the displacement from equilibrium.

ANSWER: simple **harmonic oscillator** [or **SHO**; accept simple **harmonic motion** or **SHM**]

[10] For a body undergoing simple harmonic motion, this quantity is equal to the square root of the spring constant divided by the mass.

ANSWER: the **angular frequency** [prompt on **omega**; prompt on **frequency**]

[10] A pendulum's motion can be described mathematically as simple harmonic motion under this assumption, which is required to allow the use of a first-order Taylor series that removes the non-linearity from the exact pendulum equation of motion.

ANSWER: the **small-angle** approximation [accept equivalents like **sin theta equals theta** or anything else that explains that the angle/amplitude/displacement is small]

001-09-12-01213

14. This character climbs a tree and refuses to put on his uniform after being unable to save the life of Snowden. For 10 points each:

[10] Name this character who is arrested in Rome instead of Aarfy after Aarfy murders Michaela. Nately's whore responds to the death of Nately by attempting to stab this character with a huge knife.

ANSWER: Captain John **Yossarian** [or Captain **John** Yossarian]

[10] Yossarian is sane enough not to want to fly any more bombing missions and therefore must continue flying them in this anti-war novel by Joseph Heller.

ANSWER: **Catch-22**

[10] This horseshoe-loving character in *Catch-22* has an awe-inspiring, terrifying face, which prevents the other soldiers on Pianosa from asking him what his first name is. He ends the Great Loyalty Oath Crusade by yelling "Gimme eat!"

ANSWER: Major **de Coverley**

003-09-12-01214

15. This state contains a memorial tunnel named in honor of engineer Anton Anderson. For 10 points each:
[10] Name this state, which also contains a mountain named to mock William Jennings Bryan, the tallest peak in the United States, Mount McKinley.

ANSWER: **Alaska**

[10] The most powerful earthquake in North American history hit Alaska in 1964, killing over 100 people. It occurred on this holiday, which gives this disaster its colloquial name.

ANSWER: **Good Friday**

[10] This village, located on a namesake island, was so devastated by the Good Friday earthquake that residents moved to Evans Island to establish a new village of this name. Located in Prince William Sound, residents were also devastated by the *Exxon Valdez* disaster in 1989.

ANSWER: **Chenega**

052-09-12-01215

16. In the fourth act of this opera, the title character kills Valentin, who had earlier sung the Soldier's Chorus "Glorie immortelle." For 10 points each:

[10] Name this French opera which premiered in 1859. Its title character impregnates and abandons Marguerite after receiving a magic potion that restores his youth.

ANSWER: **Faust**

[10] This French composer wrote the operas *Romeo and Juliet* and *Faust*.

ANSWER: Charles **Gounod**

[10] Gounod composed a short piano piece about one of these "of a marionette." The second movement of Beethoven's *Eroica* symphony is one of these somber pieces.

ANSWER: **funeral march**

004-09-12-01216

17. Mark Dugan uncovered a marriage license proving that Bush Smith was this man's wife, not his mistress. For 10 points each:

[10] Name this Confederate guerrilla fighter who orchestrated the Centralia Massacre and earned his nickname for his habit of taking scalps to quantify killings.

ANSWER: William "Bloody Bill" **Anderson**

[10] This outlaw with a brother Frank got his start with Bloody Bill. This notorious bank robber was later assassinated by Robert Ford.

ANSWER: Jesse Woodson **James**

[10] The James brothers served as part of this man's Raiders during the Civil War.

ANSWER: William Clarke **Quantrill** [or **Quantrill's** Raiders]

003-09-12-01217

18. Amanat Khan inscribed the inside of this building with jasper calligraphy. For 10 points each:
[10] Name this structure designed in the interlocking arabesque style. It contains four forty-three foot high minarets and a bulbous central dome, which are reflected by the long pool in front of it.

ANSWER: **Taj Mahal**

[10] The Taj Mahal was constructed using the white type of this rock, which was used to construct the exterior of the U.S. Capitol building.

ANSWER: **marble**

[10] The Taj Mahal contains one of these structures divided into four symmetrical parts by four channels that symbolize the four rivers of paradise.

ANSWER: paradise **garden** [or **charbagh**]

004-09-12-01218

19. Cirques are valleys formed when the alpine variety of these bodies cause erosion when slipping from the headwall. For 10 points each:

[10] Name these large masses of moving ice that also come in the continental variety.

ANSWER: **glaciers**

[10] These are ridges formed by the accumulated deposits of rocky till carried by glaciers. Terminal and lateral are two varieties of this landform.

ANSWER: **moraines**

[10] Terminal moraines along a U-shaped valley can form these type of lakes, named for their similar appearance to a chain of prayer beads.

ANSWER: **paternoster** lakes

032-09-12-01219

20. This crisis began with a scheme by Otto Heinze, Augustus Heinze, and the head of the Knickerbocker Trust Company to corner the U.S. copper market. For 10 points each:

[10] Name this crisis that saw the failure of the Knickerbocker Trust Company and the Westinghouse Electric Company.

ANSWER: **Panic of 1907** [or **Banker's Panic**]

[10] The Panic of 1907 was investigated by a commission led by this Senator, who named a 1909 tariff with New York Congressman Sereno Payne.

ANSWER: Nelson Wilmarth **Aldrich**

[10] The Panic of 1907 may have been exacerbated had it not been for the intervention of this U.S. banking giant who had earlier lent 65 million dollars in gold during the Panic of 1893.

ANSWER: John Pierpont **Morgan**

064-09-12-01220

21. In 1944, the Fatherland Front seized control of this country, which was led by the Stalinist Vulko Chervenkov from 1950 to 1956. For 10 points each:

[10] Name this country, which became a Communist state after the ratification of the Dimitrov Constitution, causing its tsar Simeon II to flee in 1946. It succeeded a medieval state whose soldiers were "slain" by Byzantine Emperor Basil II.

ANSWER: **Bulgaria**

[10] This politician succeeded Chervenkov as the leader of Bulgaria's Communist Party in 1954, and replaced Anton Yugov as Prime Minister in 1962. He implemented the APK system of agriculture, and ruled Bulgaria until 1989.

ANSWER: Todor **Zhivkov**

[10] Zhivkov was a protégé of this Soviet Premier, who gave a "secret speech" in 1956 denouncing Stalin.

ANSWER: Nikita **Khrushchev**

004-09-12-01221