

1. One king of this country had his horses' lips and tails cut out, then withstood an invasion using silent warriors revived from a cauldron. Three brother gods from this country are a goldsmith, carpenter, and blacksmith who work together. This country's *immram* genre of magic island voyages later starred Christian monks. A giant with one paralyzing eye was beaten here by a group including a silver-armed and a (*) "long-armed" god. A hero of this country betrayed a friend with a "love spot" on his head, met a deer that became his wife, and sired a bard who vanished for 300 years; that father of Ossian sleeps under this land until the hour of need, and burnt his thumb on the Salmon of Knowledge. For 10 points, name this isle protected by Finn MacCool.

ANSWER: Ireland [or Eire]

<Jackson>

2. Members of this group were encouraged to gain economic independence by selling Power Pac cosmetics. Its Philadelphia branch became known as a self-styled "mafia" after several Manson-style murders in the 1970s. This organization commissioned the play "The Trial," which was excerpted in a 1959 documentary by Mike Wallace and Louis Lomax, "The Hate that Hate Produced." A prominent member of this organization was once known as "Detroit Red," adopted the Sartre slogan, (*) "by any means necessary," and delivered the "Ballot or the Bullet" speech. For 10 points, name this religious organization whose members have included Elijah Muhammad and Malcolm X, a group that formed around African-American Muslims in the Civil Rights movement.

ANSWER: the Nation of Islam

<Bentley>

3. Cavazzoni et al. predicted that this was the smaller of two bodies to possess a body of superionic water. The first dark spots on this entity were discovered in 2006 by the Hubble Space Telescope, and in its past, this entity may have sported an ammonia-water ocean with high electrical conductivity. This planet's largest moon contains oval shaped regions called *coronae* and a large cliff called Verona Rupes. William Lassell and (*) Gerard Kuiper discovered the largest moons of this planet. This planet possesses the coldest atmosphere of all the planets. Like Venus, this "ice giant" is known for its retrograde motion, and its moons include Titania, Ariel, and Miranda. For 10 points, name this green-blue planet, known for its extreme axial tilt.

ANSWER: Uranus

<Jose>

4. Austria's Bruno Kreisky became the first Western head of state to formally receive this man, who agreed to amend his government's charter in the Wye River Accords. This man's supporters provoked Operation Litani after they hijacked a bus and rampaged down a highway in the Coastal Road Massacre. This man co-founded "the Storm," or al-'Asifa, with his subordinate Abu Jihad and was evicted in 1970 during (*) Black September. His refusal to make a deal at the 2000 Camp David Summit led to the Second Intifada, which ended shortly after his death. This leader was awarded the 1994 Nobel Peace Prize with Yitzhak Rabin and Shimon Peres for the negotiating the Oslo Accords. For 10 points, name this founder of Fatah, succeeded by Mahmoud Abbas as Chairman of the PLO.

ANSWER: Yasser Arafat [or Muhammad 'Abd al-Ra'uf al-Qudwah al-Husayni or Abu 'Ammar]

<Bentley>

5. This composer reworked material from his "Abraham and Isaac" canticle into a work that has the recurring sonority of a C - F-sharp tritone. This composer wrote pieces titled "Dawn, "Sunday Morning", "Moonlight", and "Storm", which are sometimes grouped in a suite with a "Passacaglia." This student of Frank Bridge and lover of the tenor Peter Pears wrote the "Four Sea Interludes", a requiem that incorporates the poetry of (*) Wilfred Owen, and an educational piece in which different parts of the orchestra take turns playing variations of a theme from Henry Purcell's *Abdelazer*. The *War Requiem* was composed by, for 10 points, which British composer of *Young Person's Guide to the Orchestra* and the opera *Peter Grimes*?

ANSWER: Benjamin Britten [or Edward Benjamin Britten]

<Berend>

6. John Huston directed a Drama Critic's Award-winning adaptation of this play based on a translation by Paul Bowles. One character in this play prefers to use the word "absent" rather than "dead," and asks another character for a mirror, to which the other responds "Suppose I try to be your glass?" In this play, it turns out that the owner of a pacifist newspaper (*) deserted when war broke out, an action which he is worried is cowardly. Another character, a postal clerk from Paris, is stabbed by a paper-knife at the end. This play's main characters are brought by an eyelid-less valet to a room decorated with Second Empire furniture. For 10 points, name this play in which Estelle, Garcin, and Inez learn that "hell is other people," a work by Sartre.

ANSWER: No Exit [or Huis Clos; or In Camera; or No Way Out; or Vicious Circle; or Behind Closed Doors; or Dead End; accept literal translations like Closed Doors]

<Gupta>

7. An African American man wears the red and yellow dress of Harlequin in a painting by this artist set on the Fourth of July titled *Dressing for the Carnival*. This artist painted two soldiers contemplating the hardtack on a tin plate they have to eat while listening to the title song in *Home, Sweet Home*, which, like *Sharpshooter on Picket Duty* and *Prisoners from the Front*, is one of the (*) Civil War pictures he did for *Harper's Weekly*. In one of his best known works, a water spout looms ominously in the background as a shirtless black man lies on a boat surrounded by sharks; that painting by this artist was followed by *After the Hurricane*. For 10 points, name this American artist of *The Gulf Stream*.

ANSWER: Winslow Homer

<Bentley>

8. A severe, recurring form of this disease is called "brittle." It's not parasitic infection, but people with this disease show aggregations of Major Basic Protein called Charcot-Leyden crystals. One drug used to treat this disease inhibits 5-lipoxygenase and is called Zileuton. One method of diagnosing this disease involves giving a short-acting muscarinic receptor agonist called methacholine. This disease occurs alongside an eosinophilic vasculitis in a condition named for Churg and Strauss. People with the (*) atopic form of this disease also often have eczema, and this disease is diagnosed using a peak flow meter. This disease is controlled using albuterol inhalers. For 10 points, name this respiratory disorder which is characterized by wheezing attacks.

ANSWER: asthma

<Mukherjee>

9. One of this poem's stanzas singles out the "habit-forming pain, Mismanagement and grief," saying "we must suffer them all again." It also suggests that "Thucydides knew all that a speech can say about democracy." In its second stanza, this poem's speaker notes that "I and the public know what all schoolchildren learn;" namely, that "those to whom evil is done (*) do evil in return." The speaker of this poem mentions "what mad Nijinsky wrote about Diaghilev" and declares that "we must love one another or die." This poem opens "in one of the dives on 52nd street" and envisions "waves of anger and fear" stemming from "what occurred at Linz," a reference to Hitler's birth. For 10 points, name this W.H. Auden poem about the day that World War II began.

ANSWER: "September 1, 1939"

<Kothari>

10. Valerie Flint wrote about "the rise" of this phenomenon in early medieval Europe. *Elementary Forms of the Religious Life* argues that this practice was done on behalf of individuals and did not provide the group cohesion that priests do. Edward Tylor's *Primitive Culture* suggests that this phenomenon works on the "symbolic principle" and defined it as the belief in a direct cause and effect relationship between act and outcome. E. Evans-Pritchard identified this kind of (*) "thinking" in a book comparing this phenomenon to witchcraft and oracles "among the Azande." For 10 points, name this practice, traditionally placed as ancestral to religion in anthropology, which involves using spells or rituals to achieve specific supernatural ends.

ANSWER: magic [or magical thinking]

<Weiner>

11. One attack on these people belittles *burhan* demonstrations. Diogenes Laertius wrote on the *Lives and Opinions of Eminent ones*. Their "prejudices" and failure to understand women are lampooned at the start of Nietzsche's *Beyond Good and Evil*, and al-Ghazali's attack on this vocation was refuted in *The Incoherence of the Incoherence*, by Averroes. Marx's eleventh thesis on Feuerbach implies that these people must learn to (*) change the world. A man sometimes called the first of this vocation profited off an olive oil press and predicted an eclipse in Miletus; another ethnically-Greek one threw himself into Mount Etna. For 10 points, name this vocation of Empedocles and Thales, two pre-Socratic ones who sought after truth.

ANSWER: philosophers [or falasifa]

<Jose>

12. Bagnold's formula states that the movement of material affected by this phenomenon is proportional to the cube of its strength. The direction of the slip face is determined by the direction of this phenomenon, which is responsible for creating *Dreikanter*s. *Derechos* are storms with shears induced by this phenomenon. It drives the processes of saltation and suspension, and it is responsible for creating (*) barchans, ergs and other ventifacts. Aeolian processes are driven by this phenomenon, which also creates dunes. For 10 points, identify this weather phenomenon which can be measured with an anemometer, whose strength is classified on the Beaufort scale.

ANSWER: wind [accept wind speed or other such answers that measure wind]

<Jose>

13. This passage argues that the word “Raca” leaves its utterers in danger of a council. The second part of *The Cost of Discipleship*, by Dietrich Bonhoeffer, studies this passage, which asks rhetorically if people pick grapes from thornbushes or figs from thistles. This passage warns people that they have to take a beam out of their eye to remove a speck from (*) another’s eye. It notes that no work or spinning is done by lilies in the fields. This passage compares its addressees to the “salt of the earth” and originates the claim that the meek shall inherit the earth. Its deliverer starts with nine statements about the blessed, the Beatitudes, and teaches the Lord’s Prayer to a crowd. For 10 points, name this passage in Matthew, an early speech by Jesus.

ANSWER: Sermon on the Mount [prompt on Gospel of "Matthew"]

<Jackson>

14. A scandal arose when this poet was defeated by Orrick Johns in a contest held by *The Lyric Year* despite widespread admiration for her submission, whose speaker tells of how "Infinity came down and settled over me" after reaching up to touch the sky. This poet claimed that "heroes seek release from dusty bondage into luminous air" in the Petrarchan sonnet (*) "Euclid alone has looked on Beauty bare." The two-line poem "Safe upon the solid rock the ugly houses stand: Come and see my shining palace built upon the sand!" is the second entry in a collection by this author. That collection's first poem begins "My candle burns at both ends, it will not last the night." For 10 points, name this author of "Renaissance" and *A Few Figs From Thistles*.

ANSWER: Edna St. Vincent Millay

<Carson>

15. Two versions of this quantity are equal if the dispersion relation is linear. Adding two examples of this quantity and dividing by one plus the product of normalized forms of this quantity is this quantity’s namesake “addition formula.” The hyperbolic arctangent of this quantity divided by a constant is additive in special relativity and is symbolized phi. One version of this quantity is given by the angular frequency divided by the wavenumber. The curl of the vector field of this quantity for a fluid gives the (*) vorticity. The dot product of this quantity with the force gives the power, and the derivative of this quantity is the acceleration. For 10 points, give this vector quantity which measures the change in position per unit time.

ANSWER: velocity [prompt on "v", prompt on "speed"]

<Mukherjee>

16. William Macdonald wrote a 1976 book about this building's "Design, Meaning, Progeny." This building’s attic zone features a pattern of circles overlaid on squares, which is repeated writ large on its checkerboard floor pavement. Aedicula, or shrines, front the eight piers which demarcate this building’s seven niches. The inner volume of this building has a height identical to its diameter, and its ceiling features five rows of perspectivized coffering. Though it was built under (*) Hadrian, this building's frieze bears an inscription giving credit to Marcus Agrippa in his third consulship. For 10 points, name this domed Roman temple with a famous oculus, dedicated to all the gods.

ANSWER: the Pantheon [or Santa Maria della Rotonda; or St. Mary of the Rotunda; or St. Mary and the Martyrs; or Santa Maria dei Martiri]

<Mehigan>

17. One member of this house briefly retook power in the "readeption," which nearly wiped out its loyal supporters, the Beauforts. A member of this family was either slapped with a gauntlet or summarily beheaded after being found grieving in a grove; that man had earlier gone into exile with his mother Margaret and married Anne Neville. This house's origins lie in Edmund Crouchback and Blanche's marriage to John of (*) Gaunt, and its brief resurgence was ended by the Battle of Tewkesbury. This house lost the Battle of Barnet and came to power when Henry of Bolingbroke deposed Richard II, becoming Henry IV. For 10 points, name this cadet branch of the House of Plantagenet, which used a red rose emblem and opposed the House of York in the Wars of the Roses.

ANSWER: House of Lancaster

<Gupta>

18. Some of this author's stories are set at a location where people refer to each other as "Eggs, Beans, and Crumpets". One of his characters adds a "P" to his last name because there are "too many Smiths", while another is an Amazon explorer who fears babies named Major Brabazon-Plank. He wrote a story about Pongo being dragged to the races by his troublesome but fun-loving Uncle Fred. Many of his stories are set either in Lord Emsworth's home of (*) Blandings Castle or at the Drones Club. This author's most famous character is bossed around by his Aunt Agatha and gives up control of his life to his highly intelligent manservant. For 10 points, name this British humorist who created the characters of Bertie Wooster and his servant Jeeves.

ANSWER: Pelham Grenville "P.G." Wodehouse

<Cheyne>

19. This man's supporters deny that he imported 500,000 plastic keys from Taiwan to be worn by members of a national militia. This man's popularity was driven by mass-circulating cassette tapes of lectures recorded in exile in Neauphle-le-Chateau outside Paris. This creator of the *Basij* fled to Najaf after being saved from execution by Hassan Pakravan, whom he nevertheless executed upon taking power for being a member of(*) SAVAK. This native of Qum launched human wave attacks against a western neighbor in a 1980-1988 war with Iraq and was backed by Revolutionary Guards. Young supporters of this man held 57 foreigners for 444 days after storming the U.S. Embassy. For 10 points, name this religious leader who took over Iran after the 1979 revolution.

ANSWER: Ayatollah Ruhallah Khomeini [or Ruhollah Musavi or Ruhollah Musawi]

<Bentley>

20. This man successfully petitioned for the end of the "two-field system" of municipal governments renting out land, and he later closed down a paper mill that was polluting the Meng River. This member of the Wei Quan [way-chu-an] movement is known as a "barefoot lawyer," and he was detained after suing the city of Linyi, alleging that family planning clinics were forcing women to receive (*) abortions. In April 2012, this current visiting professor at New York University escaped to the U.S. embassy in Beijing, from which his family was permitted to emigrate shortly thereafter. For 10 points, name this blind Chinese human rights activist.

ANSWER: Chen Guangcheng

<Weiner>

21. In Falun Gong, this concept is called *ye* and directly opposes *de*, or virtue, as the reason for human unhappiness. Agami is a subtype of this concept, which is itself one of five *niyama*. In Jainism, colorations emerge when the *jiva* attaches to this concept, which is made of material particles. This concept is often described as leading to *vipaka* or (*) “fruits.” Unlike jnana or bhakti yoga, its namesake yoga is based on disciplining one's actions. Its existence perpetuates *samsara*. For 10 points, name this Eastern concept of cause and effect, which leads a person's deeds to affect their reincarnation prospects.

ANSWER: karma [or kamma]

<Jackson>

22. After escaping the so-called “University of Ham,” this man assumed the identity of a mason named Badinguet. He orchestrated the failed Boulogne Conspiracy and was exiled after writing “*Rêveries politiques*.” While in power, he sent troops to support a Maronite rebellion in Lebanon and had bombs hurled at his carriage by Felice Orsini, a Carbonari angry over his defense of Rome against irridentists. This man commissioned Baron (*) Haussmann to rebuild his capital and signed the Treaty of Villafranca with Austria after intervening on the side of Italian independence, leading his troops to fight the Battle of Solferino. Captured at Sedan in the Franco-Prussian War, for 10 points, name this ruler of the French Second Empire and nephew of a more famous Bonaparte.

ANSWER: Napoleon III [or Charles-Louis Napoleon Bonaparte; prompt on “Napoleon” or “Bonaparte”]

<Bentley>

23. This scientist is the last namesake of a theory in which two loci mutate in order to cause hybrid incompatibility; that model is named for him, Bateson, and Dobzhansky. This man discovered the first balancer, which he called “CIB.” Felsenstein showed that a model proposed by Fisher and this man reproduces the Hill-Robertson effect. This man introduced the term hypomorph, neomorph, and antimorph to describe particular (*) genetic changes. This man argued that sexual reproduction is favored due to the accumulation of deleterious mutations by asexual organisms, a mechanism called his namesake “ratchet.” This student of Thomas Hunt Morgan used *Drosophila melanogaster* to study mutation. For 10 points, name this geneticist who exposed fruit flies to X-rays.

ANSWER: Herman Joseph Muller

<Mukherjee>

24. In a novel written by an author from this country, the protagonist Joey is patronized back into childhood by Professor Pimko. This country is invaded by the Mongol Murti Bing in the novel *Insatiability*, which another author from here discussed in the opening chapter of his anti-Communist work *The Captive Mind*. Although it begins by invoking the name of a different place, (*) *Pan Tadeusz* is the national epic of this country. In a novel from here, Ursus saves Lygia from a bull in an arena, after which they flee with Vinicius to escape the wrath of the emperor Nero. That novel's title is the question asked by Saint Peter when he encountered Jesus leaving Rome. For 10 points, name this country home to Czeslaw Milosz and Henryk Sienkiewicz.

ANSWER: Republic of Poland [or Rzeczpospolita Polska]

<Bailey>

1. This man's second law states that a line connecting the sun and a body orbiting it will sweep out equal areas in equal times. For 10 points each:

[10] Name this German astronomer who formulated 3 laws of planetary motion.

ANSWER: Johannes **Kepler**

[10] One of the requirements for a two-body problem to be a Kepler problem is that the force have this radial dependence. The gravitational force and the force between two point charges both vary with this power of the radius.

ANSWER: **inverse square** [or **minus 2** or **negative 2**, do not accept or prompt on "2"]

[10] The other requirement for a two-body problem to be a Kepler problem is that the force be of this type. This type of force points along a line connecting the two bodies and has a magnitude that only depends on the distance between the two bodies.

ANSWER: **central** force

<Busse>

2. In one section of this work, the author conjectures that "the whole root of our trouble, the human trouble, is that we will sacrifice all the beauty of our lives [...] in order to deny the fact of death." For 10 points each:

[10] Identify this book which consists of two essays, titled "My Dungeon Shook — Letter to my Nephew on the One Hundredth Anniversary of Emancipation" and "Down At The Cross — Letter from a Region of My Mind."

ANSWER: *The **Fire Next Time***

[10] John Grimes is overcome by the power of the Holy Ghost, which unfortunately for him only serves to drive him further from his abusive father Gabriel, in a pivotal scene in this debut novel by the author of *The Fire Next Time*.

ANSWER: ***Go Tell It on the Mountain***

[10] This African American author of *Giovanni's Room* and the short story collection *Going to Meet the Man* wrote *The Fire Next Time* and *Go Tell It on the Mountain*.

ANSWER: James Arthur **Baldwin**

<Carson>

3. Their ranks included the Messenians, and they were subject to raids and surveillance by the Krypteia. For 10 points each:

[10] Identify these people who launched a rebellion following a 464 BCE earthquake.

ANSWER: **helots** [or **heilotes**]

[10] Helots were the underclass of this Greek city state, noted for its military prowess.

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

[10] In order to reach the highest levels of Spartan society, male youths had to undergo this unforgiving training process. Its participants were underfed and were encouraged to make up the difference by stealing.

ANSWER: **agoge**

<Bentley>

4. One character in this novel claims that "the highest point a man can attain" is "Sacred Awe" and uses his cimbalom-playing skills to seduce Madame Hortense. For 10 points each:

[10] Identify this novel whose narrator hires the title philosophizing sixty-something man as the foreman for the lignite mine he reopens on Crete.

ANSWER: *Zorba the Greek* [or *Bios kai politeia toy Alexis Zorbas*; or *Life and Adventures of Alexis Zorbas*]

[10] *Zorba the Greek* was written by this Cretan author of *The Greek Passion* and *The Last Temptation of Christ*.

ANSWER: Nikos **Kazantzakis**

[10] Kazantzakis considered his own most important work to be his 33,333-line "modern sequel" to this Homeric epic poem. In Kazantzakis's work, its namesake hero gets restless, leaves Ithaca, and adventures across Africa before dying in Antarctica.

ANSWER: the *Odyssey* [or *Odysseia*]

<Carson>

5. The synthetic "sleeping beauty" version of this structure has proven to be a useful method to introduce traits into chromosomes. For 10 points each:

[10] Name these segments of DNA that can "jump" from one position to another in the genome. They were discovered by Barbara McClintock.

ANSWER: **transposons** [or **transposable elements**; or **TE**; prompt on "jumping genes"]

[10] McClintock discovered transposons in this model organism.

ANSWER: **maize** [or **Zea mays**; prompt on "corn"]

[10] This extremely common 300 base pair sequence, derived from the 7SL RNA, is the most common transposable element in the human genome.

ANSWER: **Alu** element

<Gupta>

6. This rebellion's banner read "Death or Liberty," a slogan that it took from an earlier, more successful revolt. For 10 points each:

[10] Name this slave rebellion that was foiled by flooding in the Brook Swamp and the informing of Ben Woolfolk. Its instigator was informally pardoned by Tim Kaine in 2007.

ANSWER: Gabriel **Prosser's** rebellion

[10] Prosser's rebellion occurred around this capital of Virginia, which is surrounded by Henrico.

ANSWER: **Richmond**

[10] After the failure of his rebellion, Gabriel Prosser tried to escape on this ship, which was captained by Richardson Taylor. It's also the first name of a young Massachusetts Bay colonist who wrote a captivity narrative after being kidnapped in King Philip's War.

ANSWER: **Mary**

<Hothem>

7. Answer the following about Pop Art, for 10 points each:

[10] This American artist exemplified the Pop Art movement with his strangely-colored paintings of Marilyn Monroe and Campbell's soup cans.

ANSWER: Andy **Warhol** [or Andrew **Warhola**]

[10] Inspired by comic books, Roy Lichtenstein created this painting which captures the instant at which a fighter pilot shoots down his enemy. The painting is named for the onomatopoeia emblazoned next to the exploding enemy jet.

ANSWER: **Whaam!**

[10] This director, dubbed the "Spanish Warhol" in his youth, himself appropriated elements of Spanish pop culture in films like *Women on the Verge of a Nervous Breakdown* and *All About My Mother*.

ANSWER: Pedro **Almodovar** Caballero

<Rosenberg>

8. These creatures include Podarge, who bore the horses used by Achilles, and they tormented king Phineus by snatching away his food. For 10 points each:

[10] Name these creatures who also bothered Aeneas's crew at the Strophades. When the Argonauts met these half-bird, half-woman creatures, Boreas's children drove them off.

ANSWER: **harpies** [or **harpy**; or **harpyia**]

[10] This messenger of Hera and goddess of the rainbow forbid the Argonauts from killing the Harpies.

ANSWER: **Iris**

[10] Celaeno the harpy prophesies that this desperate act will be done by Aeneas's crew when they reach the site of their new home, marking an end to their hungry wanderings.

ANSWER: they will **eat** their own **tables** [or **eat** their own **plates**; or use the last of their **bread** for **plates**; accept any answer which involves eating the surface on which one places one's food; prompt on "eating"; prompt on "eating bread"]

<Silverman>

9. This piece's "Fossils" movement uses the xylophone to depict rattling bones. For 10 points each:

[10] Name this musical suite which depicts performers practicing their scales in the "Pianists" movement. The penultimate movement, written for cello and two pianos, is the most popular.

ANSWER: **Carnival of the Animals** [or *Le Carnaval des animaux*]

[10] The *Carnival of the Animals* is a work of this French composer, who wrote a piece depicting the devil leading a dance of the dead called "Danse Macabre."

ANSWER: (Charles-)Camille **Saint-Saëns**

[10] This movement from Carnival of the Animals for strings and piano is a parody of the "Can-Can" from Offenbach's *Orpheus in the Underworld*. In keeping with the title, however, this movement is played at a very slow tempo.

ANSWER: "**Tortoises**" [or "**Tortues**"]

<Rosenberg>

10. This body of water lies south of the Chukchi Sea between the Seward Peninsula and Cape Dezhnev. For 10 points each:

[10] Name this strait, discovered by a Danish explorer, that separates Alaska and Siberia.

ANSWER: **Bering** Strait

[10] In 2012, the Coast Guard needed to use an ice breaker to allow an emergency shipment of fuel to reach this western Alaska town on the Seward Peninsula. This town on Norton Sound marks the end of the Iditarod Trail.

ANSWER: **Nome**

[10] A distance of less than three miles separates the Russian "Big" and American "Little" versions of these islands in the Bering Strait, which are divided by the International Date Line.

ANSWER: **Diomede** Islands [or **Gvozdev** Islands]

<Wasserman>

11. This man once helped Etienne Laveaux expel Spanish forces from his country, and he became a rival of the mulatto leader Andre Rigaud. For 10 points each:

[10] Identify this victor of the Battle of Aquin and contemporary of Henry Christophe.

ANSWER: Toussaint **Louverture** [or Francois Dominique **Toussaint**]

[10] Toussaint was a leader of a slave rebellion against the French in this island nation on Hispaniola.

ANSWER: Republic of **Haiti**

[10] This other Haitian leader revolted against a French force dispatched by Napoelon after it tried to reintroduce slavery. He declared Saint-Domingue independent and renamed it as Haiti.

ANSWER: Jean-Jacques **Dessalines** [or **Jacques I**]

<Bentley>

12. The Beck inventory and Hamilton rating scale are attempts to quantify the severity of this disorder. For 10 points each:

[10] Name this common psychological disorder characterized by a lack of motivation and feelings of intense sadness, thought to be caused by a deficiency of certain monoamines in the brain.

ANSWER: **depression** [or **major depressive disorder**]

[10] This class of drugs, which include brands like Prozac, Zoloft, and Lexapro, treats depression by increasing the extracellular level of a key neurotransmitter.

ANSWER: **SSRIs** [or **selective serotonin reuptake inhibitors**; do NOT accept "SNRIs" or other wrong answers]

[10] This "positive psychology" advocate performed the "learned helplessness" experiment on dogs to model depression as a false sense of the inability to control one's environment.

ANSWER: Martin **Seligman**

<Weiner>

13. One leader of this country was an advocate of the enosis movement and was once exiled from this country because the British suspected him of being part of EOKA. For 10 points each:

[10] Identify this country once ruled by Archbishop Makarios III. Since 1974, this country has been divided in two.

ANSWER: Republic of **Cyprus** [or **Kypriaki** Dimokratia; or **Kibris** Cumhuriyeti; or **Kibros**]

[10] Cyprus is divided by a line of this color. A zone of this color in Baghdad housed the Coalition Provisional Authority during the Iraq War.

ANSWER: **green**

[10] The Turkish invasion of Northern Cyprus was codenamed for this military leader, who died in a campaign against the Byzantine ruler, Marcian. Honoria's desire to escape an arranged marriage triggered one of this man's military actions.

ANSWER: **Attila** the Hun [or **Etzel** or **Atli**; prompt on "Scourge of God" or "Flagellum Dei"]

<Bentley>

14. These objects, which comprise linear spanning sets, are made orthonormal to each other by the recursive Gram-Schmidt process. For 10 points each:

[10] Identify these mathematical constructs which are the inputs to the dot product and the cross product.

ANSWER: **vectors**

[10] The dot product takes on a maximum negative value if the two vectors have this orientation with respect to each other. This orientation describes vectors that do not intersect but are in opposite directions.

ANSWER: **anti-parallel**

[10] Vectors themselves are generalized by these mathematical constructs, which are characterized by the rank. Vectors can be understood as these constructs with a rank of one, and matrices with a rank of two.

ANSWER: **tensors**

<Jose>

15. Answer these questions about aesthetics and the philosophy of art, for 10 points each.

[10] This release of negative emotions is produced by watching tragic art according to Aristotle.

ANSWER: **catharsis** [or **cathartic** effect]

[10] This post-Kantian pessimist wrote that art is one way to counter the suffering of unfulfilled desire in his *The World as Will and Idea*.

ANSWER: Arthur **Schopenhauer**

[10] This Frankfurt school thinker wrote about the need to make political art, and the loss of its "aura" upon copying, in *The Work of Art in the Age of Mechanical Reproduction*.

ANSWER: Walter Bendix Schönflies **Benjamin**

<Jackson>

16. One statue of this man stands outside of the Nebraska State Capitol, while another statue of him resides in a building designed by Henry Bacon and was carved out of marble by the Piccirelli brothers. For 10 points each:

[10] Name this man, who is shown sitting down on a chair whose arms are *fascies* in the most famous sculpture by Daniel Chester French.

ANSWER: Abraham **Lincoln**

[10] The statues of Abraham Lincoln in Lincoln Park and Grant Park, Chicago were created by this man, who may be best known for the bronze Robert Gould Shaw Memorial in Boston Common.

ANSWER: Augustus **Saint-Gaudens**

[10] Lincoln's face appears next to Teddy Roosevelt's in this National Memorial in South Dakota. It was designed by Danish-American sculptor Gutzon Borglum.

ANSWER: **Mount Rushmore**

<Berend>

17. These acts can include the burning of camphor or waving of a lantern in the *aarti* subritual and the presentation of food in the *naivedhya* ceremony. For 10 points each:

[10] Give the Sanskrit term for these offerings to Hindu gods, which can be done at a temple or an image in one's home. Bengali Hindus celebrate one for Durga which lasts five or six days.

ANSWER: **puja**

[10] This goddess of wealth and prosperity, the consort of Vishnu, has a namesake yearly *puja* in the middle of the fall.

ANSWER: **Lakshmi** [or **Laxmi**]

[10] Lakshmi Puja is part of this multi-day Indian "Festival of Lights," during which families set out clay lamps.

ANSWER: **Diwali** [or **Deepavali**]

<Jackson>

18. He uses a conch shell to call together all the boys on an island to their first meeting and, later, travels to Castle Rock to retrieve Piggy's glasses. For 10 points each:

[10] Name this character who encounters a naval officer while fleeing a manhunt led by his rival Jack at the end of the novel in which he appears.

ANSWER: **Ralph**

[10] Ralph appears in *Lord of the Flies*, a novel by this English author of the *To the Ends of the Earth* trilogy.

ANSWER: William Gerald **Golding**

[10] This "littleun" in *Lord of the Flies* has a habit of repeating his full name and address over and over to remind himself of home, only to forget them by the end of the work.

ANSWER: **Percival**

<Nutter>

19. This quantity contributes to the behavior of charged particles near a membrane in the Gibbs-Donnan effect. For 10 points each:

[10] Name this colligative property, which is the amount of force over unit area that stops water from flowing across a semi-permeable membrane.

ANSWER: **osmotic pressure**

[10] Similar to osmosis is this other biochemical process, in which water and small particles of solute are allowed to move through a semi-permeable membrane. It is often used to purify blood in artificial kidney machines.

ANSWER: **dialysis**

[10] Two solutions that possess the same osmotic pressure have this relationship with each other. Fluids that are injected intravenously must have this relationship with blood, otherwise crenation or hemolysis occurs.

ANSWER: **isotonic** [accept word forms.]

<Jose>

20. Charles Newman wrote a review called "A Portrait of the Artist as a Dirty Old Man" about one of this author's novels, in which the novelist Suguro is accused of frequenting brothels. For 10 points each:

[10] Identify this Catholic author of *Scandal* who wrote about a different Suguro's moral struggle with his assignment, helping to vivisect captured American servicemen, in his novel *The Sea and Poison*.

ANSWER: Shusaku **Endo** [or Paul **Endo**; accept names in either order]

[10] Endo's novel *Wonderful Fool* centers on Gaston, a relative of this historical figure. At the beginning of *The Count of Monte Cristo*, the dying captain Leclère asks Edmond Dantes to deliver a package to an ally of this man.

ANSWER: **Napoleon Bonaparte** [accept either]

[10] One of these people named Hasekura Tsuneaga embarks on a diplomatic mission to New Spain in an Endo novel titled for them. Another one of these warriors, Miyamoto Musashi, wrote the *Book of the Five Rings*.

ANSWER: **samurai** [prompt on "swordsman" or equivalent; reverse-prompt on "ronin"]

<Carson>

21. He was the first Roman emperor to be succeeded by a ruler to whom the Byzantine term *Porphyrogenitos* applied. For 10 points each:

[10] Name this last of the Five Good Emperors, a Stoic philosopher who authored *Meditations*.

ANSWER: Caesar **Marcus Aurelius** Antoninus Augustus [or **Marcus** Annius **Catilius Severus**; or **Marcus Aelius Aurelius Verus** Caesar]

[10] This first husband of Lucilla was co-emperor with Marcus Auerlius, who stayed in Rome while this man led the Parthian Campaign in which Avidius Cassius sacked Ctesiphon.

ANSWER: **Lucius Verus** [or Caesar **Lucius** Aurelius **Verus** Augustus]

[10] Marcus Aurelius died in Vindobona fighting against the Marcomanni, a tribe that ruled beyond this natural feature. The Linear Pottery Culture was part of the Neolithic civilization of this feature, which often served as a northern boundary for the Roman Empire.

ANSWER: The **Danube** River

<Liao>

22. Rufus is taken to a Charlie Chaplin film in one scene in this novel, while other scenes depict Andrew and Joel's increasing anger at the religious devotion displayed by Mary. For 10 points each:

[10] Identify this novel whose title event is revealed in a phone call from Jay's brother, Ralph. A butterfly lands on a coffin in a memorably symbolic scene in this novel.

ANSWER: A ***Death in the Family***

[10] A *Death in the Family* was written by this Tennessean author, who collaborated with Walker Evans on a literary-journalistic study of sharecroppers called *Let Us Now Praise Famous Men*.

ANSWER: James Rufus **Agee**

[10] Agee's extensive film work includes an screen adaptation of "The Bride Comes to Yellow Sky", a short story by this author of "War is Kind" and "The Black Riders". He wrote about the Union Army private Henry Fleming in *The Red Badge of Courage*.

ANSWER: Stephen **Crane**

<Carson>

23. The motion of individual particles in these entities can be described as the sum of various drift velocities plus circular motions around a guiding center. For 10 points each:

[10] Name this state of matter that can be studied using a Langmuir probe. It consists of a hot ionized gas.

ANSWER: **plasma**

[10] When an external charge is placed in a plasma, the charges in the plasma will move to screen out the electric field produced by the charge, producing a sphere named for this Dutch scientist. He's also the namesake of the cgs unit of electric dipole moment.

ANSWER: Peter **Debye**

[10] This improvement on the stellerator uses a magnetic field to confine a plasma in the shape of a torus. ITER is an experimental one of these that hopes to use it to generate nuclear fusion power.

ANSWER: **tokamak**

<Busse>