

1. This man is the chief subject of the Carlton affair, which he accuses of "criminalizing lust" in charging him with pimping. In 2012, charges against him by Tristane Banon were dropped based on a nine-year gap after the underlying incident. He sued to stop Marcela Iacub from publishing *Belle et Bete*, a roman à clef about an affair with this man, which his estranged wife Anne Sinclair called "perverse and dishonest." In December 2011, he settled a civil suit brought by (*) Nafissatou Diallo, a former maid at the Sofitel in Manhattan. For 10 points, name this onetime head of the International Monetary Fund whose bid to lead the French Socialist Party was derailed when he was accused of rape.

ANSWER: Dominique Strauss-Kahn

<Weiner>

2. Fixler and Kasevich's measurement of this quantity relied on measuring the differential acceleration of two cesium samples. This quantity appears multiplied by the density and eight-thirds pi in one term of the Friedmann equations. This constant appears over the speed of light to the fourth power in the coefficient of the stress-energy tensor in Einstein's field equations. A device invented by John Michell was used in the first measurement of this quantity; that experiment used a (*) torsion balance and was done by Henry Cavendish, who originally was trying to measure the density of the earth. For 10 points, name this constant equal to 6.67 times 10 to the negative 11th in SI units, which is multiplied by two masses over r squared in a law named for Newton.

ANSWER: big G [or universal gravitational constant or Newton's constant before mention]

<Mukherjee>

3. This figure is put to sleep after opening a box full of darkness. This figure was told by a talking tower to go to Taenarum, after which an eagle helped this figure get water from the River Styx. The two sisters of this mortal were both married to kings, but jumped off cliffs because of their shabby accommodations. In Apuleius's Latin novel *The Golden Ass*, a talking reed helps this figure gather (*) golden wool from vicious sheep, and ants help this mother of Voluptas sort a huge pile of grain. In her story, Greeks neglect Aphrodite to worship her instead, leading Zephyrus to bring her to a palace where her future husband only visited her in the dark. For 10 points, name this princess beloved by Eros, whose name means "soul."

ANSWER: Psyche

<Mukherjee>

4. The protagonist of this work offers a five-shilling reward to a blind man with a pistol to guide him to Torosay and soon encounters Mr. Henderland in the chapter "The Lad with the Silver Button". Its narrator is almost killed when he is tricked into ascending a poorly-lit, unfinished staircase after leaving his home of Essendean. A cabin boy named Ransome is brutally beaten by Mr. Shuan in this novel, whose protagonist becomes a confidant of (*) Alan Breck Stewart, a Jacobite who is hunted by the Red Fox. Its narrator initially believes he's being cheated out of his father's inheritance by his uncle, Ebenezer, and soon gets shanghaied by Captain Hoseason of the *Covenant*. For 10 points, name this novel about David Balfour by Robert Louis Stevenson.

ANSWER: Kidnapped

<Bentley>

5. In an Anne-Louis Girodet painting of one of these events, a Native American grasps the legs of Atala. In a painting of one of these events, the artist's son holds a torch in his left hand and carries a handkerchief with the artist's signature, next to a saint whose robe features a miniature image of three naked men stoning him. A white dog stands next to a man in (*) green stockings and looks away from one of these events in a painting that was the sensation of the 1850 Salon alongside the artist's *Peasants of Flagey* and *The Stone Breakers*. For 10 points, name this sort of event that El Greco painted for Count Orgaz, and that takes place at Ornans in a Gustave Courbet painting.

ANSWER: a burial [or Funeral; or entombment; prompt on more general answers like mourning; do not accept things like "death"]

<Bentley>

6. The narrator of a story by this author goes to a party hosted by Alexander G. and spends the night talking to the nameless title character, who is cursed by the realization that he is just like the rest of the upper class. This author of "Hamlet of the Shchigrovsky District" wrote about Lizabeta Kirillovna and the disillusioned, cynical Tchulkaturin in a fictional "diary" of a certain literary (*) archetype. In his most famous novel, Katya rejects the advances of a medical student at Nikolskoe, the estate of Madame Odintsova. This author coined the term "superfluous man" and wrote *A Sportsman's Sketches*. For 10 points, name this Russian author who wrote about Arkady Kirsanov and his nihilist friend Bazarov in *Fathers and Sons*.

ANSWER: Ivan Sergeyevich Turgenev

<Carson>

7. The third movement of this composer's fourth symphony is an orchestration of a fugue from his first string quartet. David Katz and José Serebrier co-conducted the premiere of that symphony with Leopold Stokowski. In one of his works, an offstage string quartet plays in the background while a woodwind quartet responds to a phrase played repeatedly by a solo trumpet. That work is paired with his (*) *Central Park in the Dark*. One of his pieces quotes "The British Grenadiers" and "Columbia, Gem of the Ocean" in depicting Putnam's Camp, and joins pieces including "The Housatonic at Stockbridge" and one named for Boston Common. For 10 points, name this American Modernist composer of *The Unanswered Question* and *Three Places in New England*.

ANSWER: Charles Ives [or Charles Edward Ives]

<Lawrence>

8. William P. Rogers complained that Don Hewitt used an illegal reaction shot during one of these events, which also featured Howard K. Smith. Follow-ups to these events, which were exempted from the recently passed equal-time provision, did not resume until 16 years later. A central participant in the first of these events had recently left the hospital, wore a gray suit, and used Lazy Shave to (*) cover up his five o'clock shadow. One of these events included a question about a Soviet violation of a nuclear test ban treaty. Reactions to the first of them supposedly depended on whether it was heard on radio or viewed on television. For 10 points, name these oratory exchanges featuring the two candidates from the 1960 Presidential Election.

ANSWER: Richard M. Nixon and John F. Kennedy Debates [or Kennedy-Nixon Debates; accept equivalents; prompt on "Presidential Debates" or other general answers]

<Bentley>

9. In follicular lymphoma, the enhancer controlling the gene encoding one part of these molecules junctions to bcl-2. One side of these proteins contains three CDRs interspersed between framework regions. Activation-induced cytidine deaminase is required for the synthesis of two parts of these molecules, one part of which undergoes somatic hypermutation after joining (*) V, D, and J genes together. These proteins come in E, A, M, G, and D isotypes, which all differ in their Fc regions. These proteins, which opsonize their targets to enhance phagocytosis, consist of two heavy and two light chains joined together in a Y-shape by disulfide bonds. These proteins are expressed and secreted by B cells. For 10 points, name these proteins that bind to foreign antigens.

ANSWER: antibodies [or immunoglobulins]

<Mukherjee>

10. This city's switched from Catholic to Protestant rule in the bloodless *Alteratie* revolt, and it protested Jewish persecution in the February Strike of 1941. El Al Flight 1862 crashed into this city in 1992. Joseph de la Vega's *Confusion of Confusions* describes the stock exchange in this city, the center of a famous example of *windhandel* discussed in *The Madness of (*) Crowds*. Victor Kugler was one of the few people to know of a certain "Achterhuis" in the Prinsengracht neighborhood in this city. A text written in this city described people like Fritz Pfeffer and the Van Pels family, before its author was shipped out to Bergen-Belsen concentration camp. For 10 points, name this Dutch city where Anne Frank was captured.

ANSWER: Amsterdam

<Bentley>

11. One of these structures is likely the only remnant of The Turquoise Mountain, features alternating bands written in different scripts, and is named for its position along the Jam River. Another of these structures can be ascended on stairs that rotate across a sandstone shaft and is named for its spiral shape. The tallest structure of this type in the world includes a (*) laser that points to the northeast. La Giralda in Seville was built as one of these structures, whose name means "lighthouse." One of these structures in Samarra features no location for *adhan* to take place, and one in Casablanca was commissioned by Hassan II. For 10 points, name these towers from which Muslims are called to prayer.

ANSWER: minarets [or minars; prompt on mosques; prompt on masjid]

<Kothari>

12. Women in this country launched a "sitting" campaign by constantly violating the personal space of its Warrant Chiefs in the 1929 "Women's War." A legislative riot broke out in this country after supporters of its Action Group seized a parliamentary mace and tried to beat the speaker to death with it. The vigilante Bakassi Boys are active in this country, where Odumegwu (*) Ojukwu led a breakaway state in the 1960s. Royal Dutch Shell's presence in this country led to the death of the Ogoni Nine, including activist Ken Saro-Wiwa. The Biafran War occurred in this country, divided by tensions between the northern Hausa and Fulani regions and the Yoruba-dominated west. Port Harcourt, Lagos, and Abuja are cities in, for 10 points, what most populous African country?

ANSWER: Federal Republic of Nigeria

<Bentley>

13. C.S. Lewis equated this belief system's central concept with traditional morality in *The Abolition of Man*. The Northern sect of this belief system is centered at White Cloud Abbey. Writings in this belief system compare the naming of a concept to cutting an uncarved block of wood. In an allegory, its founder blamed his mind for the sour taste of vinegar. Its central text makes two comparisons to the Great Mother and claims in 81 aphoristic chapters that "the (*) name that cannot be named is not the eternal name." A scholar who dreamt that he was a dreaming butterfly adhered to this belief system, which stresses acting without action, or *wu wei*. For 10 points, name this belief system of Zhuangzi and Laozi, which respects an ineffable "Way."

ANSWER: Taoism [or Daoism]

<Jackson>

14. This author's novels *N or M?*, *By the Pricking of My Thumbs*, and *The Secret Adversary* star the married couple Tommy and Tuppence Beresford. This author was inspired by the Lindbergh kidnapping to write a novel about the murder of "little Daisy Armstrong". The controversial ending of one of this writer's novels features Dr. James Sheppard preparing to kill himself after being implicated as a blackmailer. In one of her books, a (*) Belgian uses his "little gray cells" to conclude that every passenger on a train coach murdered Mr. Ratchett. For 10 points, name this female author whose character Hercule Poirot investigated crimes in *The Murder of Roger Ackroyd* and *Murder on the Orient Express*.

ANSWER: Agatha Mary Clarissa Christie [or Agatha Miller; or Mary Westmacott]

<Cheyne>

15. Lady Florentia Sale, "the Grenadier in Petticoats", wrote about her captivity in this modern-day country. Alexander Burnes was promised safe passage out of this country, only to be hacked to death with household implements by residents enraged at his prolific bedding of local women. Elphinstone's column was massacred in 1842 after fleeing this country's capital during "Auckland's Folly". The (*) Durand line was established during a series of wars between Britain and its ruling Barakzai dynasty. The 1907 Anglo-Russian Convention mostly ended a strategic contest centered on this country between Russia and Britain, known as the Great Game. For 10 points, name this Middle Eastern country invaded by the Soviets in the 1980s and once ruled by the Taliban.

ANSWER: Islamic Republic of Afghanistan [or Jomhuri-ye Eslami-ye Afganestan; or Da Afganistan Islami Jomhoriyat]

<Bentley>

16. Titanocene adopts this geometry in Tebbe's reagent. Complexes with this geometry are favored in metals with low crystal-field splitting energy. Similar to octahedral, complexes of this geometry have d-orbitals split into two levels, with the t sub two orbitals at higher energy than the e orbitals. Intermediates of this geometry in organic chemistry occur commonly in addition-elimination reactions before kicking one substituent to form a trigonal planar molecule. (*) S-p-3 hybridized carbon has this geometry, which VSEPR theory predicts occurs with one central atom, no lone pairs, and four substituents. For 10 points, name this molecular geometry which has a characteristic bond angle of 109.4 degrees, exhibited by methane.

ANSWER: tetrahedral

<Mukherjee>

17. Some critics allege that this author's most recent novel, which depicts the crumbling marriage of Vermonters Mr. and Mrs. Sweet, was based on her own troubled marital life with composer Allen Shawn. This author of *See Now Then* wrote a prose poem in which she interjected the question "but what if the baker won't let me feel the bread?" into a list of advice from a mother to a daughter. Ma Chess uses (*) *obeah* to heal the title character of her most famous novel, who becomes depressed due to her estrangement from her mother and, while at her British school, befriends Gwen and the Red Girl. For 10 points, name this author of *Lucy*, "Girl" and *Annie John*, an Antiguan woman who took another Caribbean island as her pen name.

ANSWER: Jamaica Kincaid [or Elaine Cynthia Potter Richardson]

<Gupta>

18. Malmquist's namesake bias seeks to explain the selection of luminous objects when this quantity is large. De Vaucouleurs' law states that the surface brightness of an elliptical galaxy is related to the quartic root of this quantity. This quantity can be computed for an object of known period via the period-luminosity relationship developed by Henrietta Swan Leavitt. Its namesake (*) modulus is calculated from the difference of the apparent and absolute known brightness of a star. Standard candles are objects of known brightness that can be used to calculate this quantity. Both absolute and apparent visual magnitudes normalize this quantity, which can be measured in parsecs. For 10 points, name this astronomical quantity that can be measured in light years.

ANSWER: distance [accept reasonable equivalents, i.e. how far away something is]

<Jose>

19. One talk on this process noted that in ancient China, only "one [man] was free." Barbarism of reflection causes *ricorso* in an Italian theory of it presented in Vico's *The New Science*. A huge rubble pile is seen by the "angel of" this concept in Walter Benjamin's theses on it. It is driven by growing consciousness of freedom according to Hegel's lectures, which said that Africa couldn't have this thing until the World Spirit reached it. One non-cyclical theory of this process reduces it to (*) material stages with fixed "modes of production." Thus far, it has consisted entirely of class struggles according to Engels and Marx. For 10 points, name this progression of events assessed by Great Man theory, which was written about by Herodotus.

ANSWER: history [or philosophy of history; prompt on the past]

<Jackson>

20. This man showed that the conclusions of value theory can be demonstrated without quantifying utility in a book that popularized the difference income and the substitution effect have on consumer choice. This author of *Value and Capital* created a model he derived from Keynes of the relationship between economic output and interest rates. With a Hungarian-born man, this creator of the (*) IS/LM model devised a test for government policies that relies on the ability of gainers to compensate losers to define efficiency. A quantity that minimizes cost of a bundle of goods while keeping utility constant is also named for this man. For 10 points, name this British economist whose "compensated" form of demand is contrasted with Marshallian demand.

ANSWER: John Richard Hicks

<Weiner>

21. This statement is used to prove that the packing number is equal to or less than the intrinsic covering number. Along with non-negativity, the identity of discernibles and symmetry, metric functions on topological spaces must satisfy this statement. This statement was extended to L-p spaces by Minkowski. Assuming that the inner product is a norm in an inner product space allows the derivation of this statement from the (*) Cauchy-Schwarz theorem. For polygons with ninety degree angles in them, this statement is a consequence of the Pythagorean theorem. For 10 points, the sum of the lengths of any two sides must be greater than the length of the third side of the namesake polygon according to what inequality?

ANSWER: triangle inequality [accept Cauchy-Schwarz inequality until mentioned]

<Jose>

22. This state is the location of the college where Dottie Renfrew, Elinor Eastlake, Kay Strong, and others form "The Group" in a Mary McCarthy novel. The lawyer Marcus Gormen narrates a novel set in this state; that novel, *Legs*, begins a series that also includes a novel about former baseball player Francis Phelan. In another novel set in this state, the protagonist is hospitalized after being hit with a baseball by Danny (*) Saunders; that novel about Reuven Malter is Chaim (HYME) Potok's *The Chosen*. Mr. Yunioshi lives in this state near the owner of a nameless cat, an "American geisha" who goes by Holly Golightly. For 10 points, name this state, the setting of Truman Capote's *Breakfast at Tiffany's* and William Kennedy's *Albany Trilogy*.

ANSWER: New York State

<Bentley>

23. During this man's rule, Wolfgang Lotz was convicted as a spy and imprisoned in his so-called "concentration camp" at Tura. His pact with Shukri al-Quwatli realized the regional ambitions this man alluded to in his *Philosophy of the Revolution*. This man rose to power by continuing an impassioned speech despite being shot at by an assassin. This man imprisoned Sayyid Qutb and other members of the (*) Muslim Brotherhood, and incorporated Syria into his United Arab Republic. This successor of Muhammad Naguib and leader of the Free Officers lost the Six Day War and was succeeded by Anwar Sadat. A lake formed by the Aswan High Dam is named for, for 10 points, what Egyptian leader who nationalized the Suez Canal?

ANSWER: Gamal Abdel Nasser [or Jamal 'Abd al-Nasir]

<Bentley>

24. In one poem, this author described how he "must be silent about the second fault" when describing a "poem and an error." In a collection by this man, Phaedra writes a letter confessing her love for Hippolytus; that collection is a series of epistles from the point of view of spurned women. This author of the *Heroides* wrote *Letters from the Black Sea*, which describes his (*) exile. This author of *Fasti* claimed "As Chiron was to Achilles, so I am to Cupid" in another book. His most famous work contains sections on the deification of Julius Caesar and on Apollo and Daphne. For 10 points, name this Roman author of the *Ars Amatoria* who described mythological transformations in his poem *Metamorphoses*.

ANSWER: Ovid [or Publius Ovidius Naso]

<Jose>

1. Paul Cezanne painted three of these objects on a patterned carpet and also painted a still life where they're arranged in a pyramid. For 10 points each:

[10] Identify these body parts commonly included in *vanitas* paintings.

ANSWER: **Skulls** [prompt on **heads**; prompt on **bones**]

[10] An anamorphic skull appears in between Jean de Dinteville and Georges de Selve in *The Ambassadors*, by this court painter to Henry VIII.

ANSWER: Hans **Holbein** the Younger

[10] The red feather of a young man points towards the skull he's holding in a portrait by this artist. His many group portraits include one of the archers of Saint Hadrian's Guild and another of a "meager company."

ANSWER: Frans **Hals**

<Bentley>

2. Aleksandr Luzhin has a mental breakdown before a match against Turati in one novel by this man, who also wrote a novel whose narrator carries out research for a biography of the title fictional author of *The Doubtful Asphodel*. For 10 points each:

[10] Name this author of *Pnin*, whose many chess-related works include the aforementioned *The Defense*, which was written in Russian, and *The Real Life of Sebastian Knight*, which was written in English.

ANSWER: Vladimir Vladimirovich **Nabokov**

[10] Nabokov's most famous novel is this one, whose unreliable narrator Humbert Humbert bestows the title nickname on Dolores Haze, the twelve-year-old "nymphet" with whom he is obsessed.

ANSWER: **Lolita**

[10] Nabokov included a chess problem in "Exile", the fourteenth chapter of this memoir, first published in 1951. Its oft-reprinted fifth chapter is called "Mademoiselle O".

ANSWER: **Speak, Memory** [or **Conclusive Evidence**; or **Drugie Berega**; or **Other Shores**]

<Carson>

3. Answer the following about the geography of primate conservation, for 10 points each.

[10] Jane Goodall conducted most of her research into chimpanzee behavior in Gombe Stream National Park, which can only be reached by taking a boat across this lake. Bujumbura is on this lake.

ANSWER: Lake **Tanganyika**

[10] Uganda's Ngamba Island Chimpanzee Sanctuary is located south of Entebbe in this lake, the largest lake in Africa, which is surrounded by Uganda, Kenya, and Tanzania.

ANSWER: Lake **Victoria**

[10] Dian Fossey studied mountain gorillas at the Karisoke Research Center in Rwanda's Volcanoes National Park, which is located in the middle of this volcanic mountain range between Lake Edward and Lake Kivu.

ANSWER: **Virunga** Mountains

<Haddad-Fonda>

4. The Grotthus mechanism was proposed to explain the tunneling properties of photons in water after the energy of this cation was first calculated. For 10 points each:

[10] Name this cation, which is formed by protonating water.

ANSWER: **hydronium**

[10] For a solution, this quantity is defined as the ratio of hydronium activity to hydroxide activity.

Indicators are substances which provide a color-based measure of this quantity.

ANSWER: **pH**

[10] The removal of hydronium ions and other cations from water is the goal of this process. One type of it that uses slaked lime is the “lime-soda” process.

ANSWER: water **softening**

<Jose>

5. This opera marked the composer's return to the conventions of rhymed verse libretto and number opera.

For 10 points each:

[10] Name this opera in which Walther tries to win the hand of Eva Pogner and join the title guild, which features the wise cobbler, Hans Sachs.

ANSWER: *Die **Meistersinger** von Nürnberg* [or *The **Mastersingers of Nuremberg***]

[10] *Die Meistersinger von Nürnberg* is by this German composer of *Rienzi* and the *Ring Cycle*.

ANSWER: (Wilhelm) Richard **Wagner**

[10] This comic villain of *Die Meistersinger* marks Walther's mistakes on a chalkboard at the end of Act 1, but himself performs a disastrous rendition of "The Prize Song" in the final act.

ANSWER: **Sixtus Beckmesser** [accept either underlined name]

<Lawrence>

6. Name these females involved in the Trojan War, for 10 points each.

[10] Penthesilea led this tribe of warrior women into battle for the Trojan side. They cut off one breast so as to be better archers.

ANSWER: the **Amazons**

[10] Two similarly-named women start the plot of the *Iliad*. One is a priest's daughter whom Agamemnon returns to Troy during a plague outbreak; the other is taken by Agamemnon from Achilles. Name either.

ANSWER: **Chryseis** OR **Briseis** [accept answers featuring both names in either order; accept **Astynome** in place of Chryseis; accept **Hippodameia** in place of Briseis]

[10] This sole daughter of Helen and Menelaus was promised to Neoptolemus during the war, overriding her previous betrothal to Orestes.

ANSWER: **Hermione**

<Liao>

7. Kevin Phillips, a strategist for this president, outlined a plan for beating the Democrats by appealing to Catholics and Southerners in “The Emerging Republican Majority”. For 10 points each:

[10] Identify this president who made a historical visit to China with his wife, Pat.

ANSWER: Richard Milhous **Nixon**

[10] Nixon supported an early affirmative action plan named for this American city. Ten years later, Mumia Abu-Jamal was controversially sentenced to death for killing a police officer in this city.

ANSWER: **Philadelphia**

[10] Nixon signed into law an act creating this agency. This agency has used money from the Superfund program to help regions like Love Canal, New York.

ANSWER: U.S. **Environmental Protection Agency** [or **EPA**]

<Bentley>

8. This author collaborated with his brother William and James Kirk Paulding on the periodical *Salmagundi*, which first appeared five years after this man's literary debut, a series of observational letters attributed to "Jonathan Oldstyle". For 10 points each:

[10] Identify this author of the *Sketch Book of Geoffrey Crayon, Gent.* Brom Bones wins the hand of Katrina van Tassel by scaring off Ichabod Crane in his story "The Legend of Sleepy Hollow".

ANSWER: Washington **Irving**

[10] Irving's *Tales of a Traveller* contains this story, in which a miser is offered Captain Kidd's treasure by Old Scratch after kicking a skull with a tomahawk sticking out of it.

ANSWER: "The **Devil and Tom Walker**"

[10] While helping a stranger carry a keg in another Irving story, Rip Van Winkle hears "long rolling peals, like distant thunder", which he later discovers are being produced by a mysterious group of dour men in outdated Dutch dress who are performing this activity.

ANSWER: playing **ninepins** [or **bowling**]

<Carson>

9. Examples of this kind of substance include chernozem and brunozem. For 10 points each:

[10] Identify this substance, more common examples of which include loess and loam. It is studied by pedologists.

ANSWER: **soil**

[10] In contrast to traditional farming, this approach to agriculture involves the growth of vegetables without soil. Nutrients are typically supplied to the plant through water.

ANSWER: **hydroponics**

[10] One source of nutrients for plants that are grown through hydroponics is this typically white bio-mineralized substance, which is composed of ground-up species that belong to a namesake phylum of algae.

ANSWER: **diatomaceous earth** [or **kieselguhr**]

<Jose>

10. According to legend, Ogier the Dane fought alongside this king. For 10 points each:

[10] Name this first Holy Roman Emperor, who was crowned by Leo III on Christmas Day in 800 AD.

ANSWER: **Charlemagne**

[10] This pass was the site of a loss by Charlemagne to a Basque army.

ANSWER: **Roncevaux** Pass

[10] Charlemagne's failure to capture this city led to his retreat through the Roncevaux Pass. Charlemagne was originally invited to take this city by Husayn, and it was ruled by the Banu Hud family during Moorish times.

ANSWER: **Zaragoza**

<Hothem>

11. Answer the following about non-orchestral works of Ludwig van Beethoven, for 10 points each.

[10] Not until after Beethoven's death did a comparison to a scene on Lake Lucerne cause this piano sonata to acquire its popular nickname. It is subtitled "Quasi una fantasia," and unlike most of his other sonatas, it begins with a slow movement.

ANSWER: *Piano Sonata No. 14* in C-sharp minor, "*Quasi una Fantasia*", **Op. 27, No. 2** [or "***Moonlight***" Sonata; accept piece number, nickname, or opus number]

[10] Beethoven wrote 10 of these pieces for a certain instrument and piano, the ninth of which is called "Kreutzer".

ANSWER: **violin sonatas** [or descriptive answers suggesting that they're **sonatas for piano and violin**; prompt on **sonatas**]

[10] This work for string quartet by Beethoven was originally the finale of his *String Quartet No. 13, Op. 130*. It begins with a 24-bar Overtura before the launching of its exposition.

ANSWER: ***Grosse Fuge, Op. 133*** [or ***Great Fugue***; or ***Grand Fugue***; accept title or opus number]

<Rosenberg>

12. Ezell Blair, Franklin McCain, Joseph McNeill and David Richmond made up this city's namesake "Four". For 10 points each:

[10] Identify this city where those students organized a sit-in at a Woolworth's lunch counter.

ANSWER: **Greensboro**, North Carolina

[10] The Greensboro Four used some of the same non-violent integration tactics as this group, founded by James Farmer. Roy Innis was a long-time leader of this organization.

ANSWER: **Congress of Racial Equality** [or **CORE**]

[10] CORE helped organize these events, where integrated buses traveled through the South in an attempt to get the federal government to enforce the decision in *Boynton v. Virginia*.

ANSWER: **Freedom Rides** [accept word forms]

<Bentley>

13. This treatise originated the metaphor of a "body politic" in an introduction which compared life to a mere "motion of limbs." For 10 points each:

[10] Name this treatise which contains a section on the "Natural Condition of Mankind" that posits a "war of all against all" in the absence of a "covenant" to form a commonwealth.

ANSWER: *The **Leviathan**: Or, The Matter, Forme, and Power of a Commonwealth Ecclesiastical and Civill*

[10] This English philosopher and tutor of the exiled Charles II during the English Civil War wrote *Leviathan* to argue for an absolute sovereign.

ANSWER: Thomas **Hobbes** of Malmesbury

[10] Part III of Hobbes's *Leviathan* is titled for this type of commonwealth, in which the civil sovereign decides matters of exegesis to hold back the "kingdom of darkness".

ANSWER: a **Christian** commonwealth [accept "Of the **Christian** Commonwealth"]

<Bentley>

14. Identify the following about the Roman legal system, for 10 points each.

[10] This son of Septimius Severus extended Roman citizenship to all inhabitants of the empire. He also erected some enormous public baths in Rome.

ANSWER: **Caracalla** [or **Marcus Aurelius Severus Antoninus Augustus**; or **Septimius Bassianus**; or **Marcus Aurelius Antoninus Caesar**]

[10] Criminals who were given the sentence of *deportation in ludos* were sent to the schools that trained these people. They sometimes took on roles like Samnites or Thracians when fighting in the Colosseum.

ANSWER: **gladiator** [prompt on "slaves"]

[10] This oldest Roman legal code dates to around 450 BCE and was written by the Decemviri. Although no longer extant, it is known that these laws outlined procedures for debt slavery.

ANSWER: The Law of the **Twelve Tables** [or Leges **Duodecim Tabularum** or **Duodecim Tabulae**]

<Bentley>

15. This poem encourages the reader to "fill the unforgiving minute with sixty seconds' worth of distance run." For 10 points each:

[10] Name this poem which outlines conditions for manliness, including the abilities to "trust yourself when all men doubt you" and to "keep your head when all about you are losing theirs and blaming you".

ANSWER: **"If--"**

[10] "If--" was written by this poet of "Gunga Din", who was born to a British family in India. His other famous works include *Just So Stories* and *The Jungle Book*.

ANSWER: Rudyard **Kipling** [or Joseph Rudyard **Kipling**]

[10] This Kipling poem includes veiling "the threat of terror" and checking "the show of pride" along with sending "forth the best ye breed" and fighting "the savage wars of peace" as facets of its title concept.

ANSWER: "The **White Man's Burden**"

<Mehigan>

16. Name these contemporary public intellectuals, for 10 points each.

[10] This political scientist has since denounced his assertion that Western liberal democracy was the best and final stage of human political development that he made in *The End of History and the Last Man*.

ANSWER: Francis **Fukuyama** [or Yoshihiro Francis **Fukuyama**]

[10] This man argued that humanity has gradually become less violent in *The Better Angels of Our Nature*. This evolutionary psychologist also claimed that we are evolutionary predisposed towards learning to speak in *The Language Instinct*.

ANSWER: Steven **Pinker**

[10] Along with Tony Blair, this man was the most prominent supporter of the "Third Way" philosophy of government. This Yale Law graduate defeated George H.W. Bush to become the US president in 1992.

ANSWER: Bill **Clinton** [or William Jefferson **Clinton**]

<Spencer>

17. For 10 points each, name these bacteria commonly implicated in foodborne illnesses.

[10] Although it is commonly found in the gastrointestinal tract, varieties of this bacteria can still cause traveler's diarrhea and can produce Shiga toxin.

ANSWER: **Escherichia coli**

[10] This genus of foodborne illness-causing bacteria has been linked to outbreaks associated with peanut butter or Taco Bell in the past few years, but it more commonly contaminates chicken eggs.

ANSWER: **Salmonella**

[10] This comma-shaped genus of bacteria contains species *parahemolyticus*, which is found in raw oysters. Another member of this genus causes cholera.

ANSWER: **Vibrio**

<Morlan>

18. One of this man's novels includes such characters as Chikako Kurimoto, a woman with a huge black birthmark on her chest, and Mrs. Ota, a tea enthusiast who becomes an object of obsession for the protagonist, Kikuji Mitani. For 10 points each:

[10] Identify this Japanese author of *Thousand Cranes*, whose other well-known novels include his early masterpiece *Snow Country* and the later *The Sound of the Mountain*.

ANSWER: Yasunari **Kawabata** [accept names in either order]

[10] Kawabata used this term to refer to his shorter works, including "The Izu Dancer" and a miniaturization of *Snow Country*. Dunlop and Holman published a collection of Kawabata stories under this title in 1988.

ANSWER: the **Palm-of-the-Hand** stories [or **Tanagokoro no Shosetsu**; or **Tanehiro no Shosetsu**]

[10] Kawabata's novel *One Arm* is a noteworthy Japanese example of this literary genre, which is identifiable through its use of fantastic elements presented straightforwardly.

ANSWER: **magical realism** [accept word forms like "**magical realist**"]

<Carson>

19. The *timiti* form of this ritual is done in honor of the goddess Mari in Tamil Nadu in southern India, and *nestinari* do it on the Greco-Bulgarian border. For 10 points each:

[10] Name this ritual often done by Indian holy men called fakirs, a test of concentration. It is rarely damaging if done slowly due to the low thermal conductivity of carbon.

ANSWER: **fire-walking** [or **walking** barefoot on hot **coals**]

[10] The term "fakir" originates from this mystical branch of Islam whose other practitioners include whirling dervishes.

ANSWER: **Sufi** Islam [or **Sufism**; or **tasawwuf**]

[10] Tamil fire-walking sometimes honors Draupadi, the wife of this five-person group which fights at Kurukshetra in the *Mahabharata*.

ANSWER: the **Pandavas** [or the five **sons** of **Pandu**]

<Jackson>

20. The term named for this quantity in the Navier-Stokes equation dominates when velocity is high. For 10 points each:

[10] Name this quantity, which for a vertical column of liquid is equal to $\rho \times g \times h$.

ANSWER: **pressure** term

[10] This force is equal to a negative constant times the velocity vector minus the pressure term. It is the frictional force caused by an object moving through a material.

ANSWER: **drag** force [accept **air resistance** or **hydrodynamic resistance**, but do NOT accept or prompt on "resistance"]

[10] This man's law, which assumes laminar flow, describes the drag experienced by a spherical object at low Reynolds numbers. He also names the shift in the wavelength between an electronic transition's absorption and emission spectra.

ANSWER: Sir George Gabriel **Stokes**, 1st Baronet

<Hothem>

21. One of this author's protagonists has an incestuous affair with Clotilde, for which his family destroys his scientific research on the heredity of flies after his death. For 10 points each:

[10] Identify this author of *Doctor Pascal* and *Nana*, two novels in his *Rougon-Macquart* series.

ANSWER: Emile Francois **Zola**

[10] Zola published this open letter to Felix Faure in *L'Aurore* decrying the anti-Semitism in the French Third Republic and the treatment of Alfred Dreyfus.

ANSWER: "**J'Accuse**"

[10] Zola's *Germinal* centers on men and women in this profession in Montsou. Gwilym Morgan has this occupation in Richard Llewellyn's (LOU-ellen's) *How Green Was My Valley*.

ANSWER: Coal **Mining** [or coal **miner**]

<Bentley>

22. Grouped under this phylum is the *Calanoida* order, which are commonly eaten by right whales. For ten points each:

[10] Name this phylum, which also includes scorpions and crayfish.

ANSWER: **Arthropoda** [or **arthropods**]

[10] One trait of arthropods is the open circulatory system made possible by this cavity derived from the blastocoel.

ANSWER: **hemocoel**

[10] Another shared trait of *Arthropoda* is the presence of this support structure, which also prevents water loss.

ANSWER: **exoskeleton**

<Morlan>

23. This man defeated the Alamanni king Chnodomar at the Battle of Strassbourg in 357 CE. For 10 points each:

[10] Identify this Roman emperor, who earned his epithet by writing texts like *Hymn to the Sun God* and *Against the Galileans* and reinstating Paganism as a legal religion.

ANSWER: **Julian** the Apostate [or Flavius Claudius **Julianus** or **Julian** the Philosopher]

[10] Julian was killed on a campaign against Shapur II of this empire. Ardashir I of this empire overthrew the Parthians, and Khosrau the Undefeatable helped build up its capital at Ctesiphon.

ANSWER: **Sassanian** Empire [or **Sassanian** Dynasty or **Sasanid** Empire or **Sasanid** Dynasty]

[10] Julian's army passed by this city on their way from Antioch to Persia. The Hamdanid Dynasty was based in this Syrian city, the largest in modern Syria.

ANSWER: **Aleppo** [or **Halab**]

<Bentley>