1. **This country's manufacturing sector has declined since the 1959 discovery of its Groningen** [GROH-nin-ghen] **gas field, in an economic phenomenon known as this country's ”disease.” Its capital contains the world's oldest stock exchange. In 1907, (\*)** Shell Oil was founded in this country to drill for oil in its Asian colonies, including modern-day Indonesia. For 10 points—name this low-lying country that contains the Hague and Amsterdam.

answer: (Kingdom of) The Netherlands (or Koninkrijk der Nederlanden; accept Holland; accept Dutch disease)

<HIST, EURO>

2. **This man opened a pamphlet by retelling Roger L'Estrange's translation of Aesop's fable about the cock and the horses. He wrote of a woman who returns to England from Virginia after learning that her husband is her half-brother. This author of “The Shortest Way with the Dissenters” and (\*)** *Moll Flanders* titled a novel for a companion of Friday who is stranded on an island. For 10 points—name this author of *Robinson Crusoe*.

answer: Daniel Defoe (or Daniel Foe)

<LIT, BRIT>

3. **A wing of this movement formed the pacifist “Freedom League” after finding the “Deeds Not Words” strategy insufficiently radical. A member of this movement, who died trying to tie a scarf to Anmer at the Epsom Derby** [“darby”] **in 1913, was Emily Davison. The Cat and Mouse Act targeted the hunger strikes led by (\*)** Emmeline Pankhurst, one of its activists. For 10 points—name this British movement to expand the franchise to women.

answer: (British) suffragist or suffragette or suffrage movement (accept descriptive answers such as “giving women the vote” before “women”) [Anmer was a racehorse owned by King George V.]

<HIST, EURO>

5. **A character in this play named Julia mortgages her annuity so that she can help her nephew furnish a villa that formerly belonged to Secretary Falk. The title character of this play explains that her “dread of scandal” once prevented her from shooting the alcoholic scholar Eilert** [“EYE”-lurt] **(\*)** Løvborg, whose brilliance threatens to overshadow the career of Jørgen [YOR-gun] Tesman. For 10 points—name this tragedy by Henrik Ibsen.

answer: Hedda Gabler [“gobbler”]

<LIT, EURO>

6. **The megafauna *Glyptodon*** [GLIP-tuh-“don”] **was a prehistoric relative of this animal, one species of which was dubbed a “Hoover hog” and eaten during the Great Depression. Its *pichi* species and its smallest species, the ”pink fairy,” are both found in Argentina. Its most common American species can carry (\*)** leprosy; that “nine-banded” type is named for the nine segments of its leathery carapace. For 10 points—name this armored mammal.

answer: armadillo(s) (accept Dasypodid(ae); accept nine-banded armadillos before “pink”)

<SCI, BIO>

7. **During this man's defection to the Soviet Union, he was taught Russian by Stanislav Shushkevich** [stah-nee-SLAHF shoosh-KAY-vich]**, who later became the first leader of Belarus. After returning to the U.S., this man tried to kill General Edwin Walker. Later violent acts by this man included the killing of policeman J. D. (\*)** Tippit and the wounding of Governor John Connally. Nightclub owner Jack Ruby killed—for 10 points—what assassin of John F. Kennedy?

answer: Lee Harvey Oswald

<HIST, AMER>

8. **A song titled for one of these people by 3 Doors Down claims that “you're getting closer, you're holding the rope and I'm taking the fall.” A song by Tom Petty suggests that even these people “get lucky sometimes.” The singer claims to be one of these people in Spanish by stating “Soy un (\*)** perdedor” [SOY oon PAIR-day-dor] before asking “so why don't you kill me?” in a hit by Beck. For 10 points—name these people who don't win.

answer: losers (accept I'm a Loser or Even the Losers)

<TRASH, POP CULT>

9. **In a 2015 letter asking for asylum in France, this person said he has five and a half square meters of working space and no access to open air or sunshine. The U.N. Working Group on Arbitrary Detention agreed with this assessment in February 2016. This person resides in (\*)** Ecuador's embassy in London to avoid extradition to Sweden to face sexual assault charges. For 10 points—name this Australian founder of Wikileaks.

answer: Julian Assange [uh-SAHNZH]

<CE, CE>

10. **During this president's administration a private group created the American Protective League, whose members volunteered to help the government find spies. This president established the Committee on Public Information, which was led by George Creel and used propaganda to advocate for a (\*)** war that this man had won re-election by having “kept us out of.” For 10 points—name this Democrat who led the U.S. in World War I.

answer: (Thomas) Woodrow Wilson

<HIST, AMER>

11. **Silicate perovskites** [SIH-lih-kit puh-RAHV-skytes] **may comprise 93 percent of this area's lower region, which extends down from a discontinuity caused by a phase transition from the spinel** [spih-NEL] **structure at a depth of about 660 kilometers. This region's upper portion includes a deformable layer known as the (\*)** asthenosphere [ess-THEEN-oh-“sphere”], as well as the bottom of the lithosphere [LITH-oh-“sphere”]. For 10 points—name this largest layer of the Earth, which lies below the crust.

answer: Earth's mantle

<SCI, OTHER>

12. **This painter showed another artist pointing at an illuminated book in the lower right corner of his *Portrait of Giulio Clovio*** [jee-OO-lee-oh CLOH-vee-oh]**. Nude figures hold up yellow and green cloth while St. John, clad in blue, raises his hands upward in this man's *Opening of the (\*)*** *Fifth Seal*. He painted a stormy sky above rolling green hills and the title city in *View of Toledo*. For 10 points—what painter was nicknamed for his Cretan heritage?

answer: El Greco (or Doménikos Theotokópoulos)

<FA, VISUAL>

13. **The Westermarck effect is thought to explain why humans do not often engage in this practice, which can be considered to be the most extreme form of endogamy** [en-DAH-guh-mee]**. A section on “The Horror of” this behavior in Sigmund Freud's** [froyd's] ***Totem and Taboo* claims that it and patricide are the two universal taboos. The (\*)** Oedipus [ED-uh-puss] complex is an alleged desire to engage in—for 10 points—what practice of sexual contact between close relatives?

answer: incest (accept forms such as incestuous behavior)

<RMPSS, SOC SCI>

14. **This author wrote of how “celestial Salem blooms in endless spring” in a poem addressed to a painter named Scipio Moorhead. In another poem, this author wrote of how her people could join the “angelic train” and posited that it was “mercy” that brought her from her (\*)** “pagan land” to America. For 10 points—name this author of “To His Excellency, George Washington,” the first female African-American poet to have her work published.

answer: Phillis Wheatley

<LIT, AMER>

15. **This ruler angered the Mitanni king Tushratta** [TUSH-rah-tuh] **by sending him gold-plated statues instead of solid gold ones. Much of this ruler's correspondence is found in the Amarna** [ah-MAR-nah] **letters, named for a city founded as part of a monotheistic religion. This ruler, who was depicted with an androgynous appearance, may have been succeeded by his (\*)** wife Nefertiti [neh-fur-TEE-tee]. For 10 points—name this father of King Tut, a pharaoh who worshiped Aten [AH-tun].

answer: Akhenaten [ahk-NAH-tun or AH-ken-AH-tun] (or Akhenaton or Amenhotep IV [ah-mun-HOH-tep “the fourth”] or Amenophis IV [ah-mun-OH-fiss “the fourth”] or Ikhnaton or Khuenaten; prompt on “Amenhotep” or “Amenophis”)

<HIST, OTHER>

16. **Different values for this property in alcohol and water cause a phenomenon called tears of wine. The capillary pressure difference caused by this property can be calculated using the Young-Laplace** [luh-PLAHSS] **equation. Many (\*)** detergents reduce this property; the general name for substances that do so includes the phrase “active agents.” For 10 points—name this phenomenon of fluids that allows some insects to ”walk on water.”

answer: surface tension (prompt on “surface energy”; do not accept or prompt on “surface” or “energy”) [Substances that reduce surface tension are called surface active agents, or surfactants.]

<SCI, CHEM>

17. **On this holiday a story is told about four sons—one wise, one wicked, one simple, and one who cannot ask questions. The youngest person at the service for the holiday asks four questions: one about reclining, one about dipping food twice, one about bitter herbs, and one about (\*)** unleavened bread, or *matzah*. For 10 points—name this holiday on which the Haggadah [hah-GAH-duh] is read during the seder [SAY-dur] to recount the exodus from Egypt.

answer: Passover or Pesach

<RMPSS, REL>

18. **This city's shikumen residences were inspired by Western townhouses. The world's busiest container port is in this city. Its Pudong District, which lies on the east bank of the Huangpu** [wang-poo] **River, is the site of the Oriental Pearl Tower and a Disneyland resort scheduled to open in June 2016. HSBC Bank is named after (\*)** Hong Kong and this city near the mouth of the Yangtze [yang-see]. For 10 points—name this most populous city in China.

answer: Shanghai

<GEO, GEO>

19. **In 2016 this team retired the jersey of a player who won four Defensive Player of the Year honors between 2002 and 2006 for it. Center Ben Wallace helped lead this team to a 2004 title over the Lakers, while this team pushed for an All-Star bid for its current center by releasing an edited video of (\*)** Barack Obama speeches. Andre Drummond is on—for 10 points—what NBA team coached by Stan Van Gundy that plays in Michigan?

answer: Detroit Pistons (accept either underlined portion)

<TRASH, SPORTS>

20. **This element's 7068** [“seven oh six eight”] **alloy has the highest tensile strength of any of its alloys and is used in prosthetic limbs. Smelting this element involves dissolving its oxide in cryolite** [“CRY-oh-light”] **before electrolyzing the mixture. This element is purified in the Hall-Héroult** [ay-roo] **process, and it is chiefly mined from (\*)** bauxite [BAWK-“sight”] ore. The most common metal in Earth's crust is—for 10 points—what element used to make metallic soda cans?

answer: aluminum (or Al or aluminium)

<SCI, CHEM>

21. **In this war, the village of Lidice** [LEE-deet-suh] **was massacred as retribution for an assassination committed by two Czech** [“check”] **soldiers. Early in this war, over 20,000 soldiers and intellectuals were shot at Katyn Forest. In this war's Babi Yar** [BAH-bee YAR] **Massacre, over 30,000 civilians were shot in a ravine outside Kiev by the (\*)** Einsatzgruppen [EYNE-zahtz-GROO-pen]. The Dachau [dah-“COW”] and Treblinka camps were built during—for 10 points—what war that witnessed the Holocaust?

answer: World War II or World War Two (or Second World War)

<HIST, EURO>

22. **At a March 2015 *Meet the Press* event, this man claimed to have never sent an email in his life. *The Atlantic* described his platform as “more war, less Social Security.” He claimed “this is no longer about 2016” in an interview in which he discussed the clash between the mainstream GOP and “outsider” candidates such as (\*)** Ben Carson, and announced he was dropping out of the race. For 10 points—name this South Carolina senator.

answer: Lindsey (Olin) Graham

<CE, CE>

23. **The unit vector along this line is conventionally symbolized by a *j*, and distance along it is called the ordinate. Logarithmic functions have half of this line as an asymptote** [“ASS-imp-tote”]**. In polar coordinates, the equation theta equals pi over 2 gives this line, while in Cartesian coordinates its equation is (\*)** *x* = 0. Even functions like *y* = *x* squared are symmetric when reflected over—for 10 points—what line, the vertical axis?

answer: y-axis (accept x = 0 before “x = 0”; accept vertical axis before “vertical”)

<SCI, OTHER>

24. **The Kiwa genus of deep-sea crabs is nicknamed for this creature due to their hairy legs. The Pangboche Hand and Khumjung Scalp were relics falsely attributed to this creature. John Ratzenberger voiced it in *Monsters Inc.* and *Monsters University*. In 1963 Edmund Hillary reported seeing this (\*)** creature's tracks during his trip to Nepal. For 10 points—name this cryptid that supposedly haunts the peaks of the Himalayas.

answer: Yeti (accept Abominable Snowman or Meh-teh)

<MISC., MISC.>

Bonuses

1. Peremptory challenges can be issued during this phase of a trial. For 10 points each—

A. Give the two-word term for this process during which individuals are asked questions to assess their potential biases. It comes from Old French words meaning “to speak the truth.”

answer: voir dire [vwahr deer]

B. *Voir dire* is used to determine who will sit on these bodies. They determine the facts at trial, while the judge determines the law.

answer: jury (accept juries)

C. This constitutional amendment provides that criminal defendants have the right to be tried “by an impartial jury.”

answer: Sixth Amendment (accept Amendment 6)

<RMPSS, SOC SCI>

2. This legume was first brought to the U.S. during the 1876 Philadelphia Continental Exposition. For 10 points each—

A. Name this invasive plant that has been called “the vine that ate the South.”

answer: kudzu [KUD-zoo] (or Japanese arrowroot or Pueraria)

B. Kudzu was introduced for its ability to reduce this geological process—the breakdown of soil, sometimes through wave action.

answer: erosion or eroding

C. Scientists have tried to control kudzu infestations using an herbicidal [ur-bih-SYE-dul] fungus that can break down this polymer, whose derivatives include rayon [“RAY-on”].

answer: cellulose [SELL-yoo-lohss]

<SCI, OTHER>

3. The so-called House of Atreus [AY-tree-uss] was actually founded by this man, Atreus's grandfather. For 10 points each—

A. Name this man who served up his son Pelops [PEE-lops] at a feast for the gods. He was punished by the temptation of eternally-unattainable fruit and water.

answer: Tantalus

B. After his death, Tantalus became a resident of Tartarus, one of the regions ruled by this Greek god of the underworld.

answer: Hades [HAY-deez] (or Plouton; do not accept or prompt on “Pluto”)

C. Another resident of Tartarus was this ancestor of the Centaurs, a Lapith king who tried to seduce Hera and was punished by being strapped to burning wheel.

answer: Ixion

<RMPSS, MYTH>

4. This combat simulator is the sequel to *Frontier: First Encounters*. For 10 points each—

A. Name this 2014 and 2015 massively multiplayer online game, in which players pilot spaceships across an open world galaxy.

answer: Elite: Dangerous (prompt on “Elite”)

B. *Elite: Dangerous* is compatible with this virtual reality head-mounted device developed by Oculus.

answer: Oculus Rift (accept The Rift)

C. In *Elite: Dangerous*, the three factions are the Federation, the Alliance, and a third group known by this general term. Palpatine [PAL-puh-teen] is the leader of a “Galactic” one in *Star Wars: Battlefront*.

answer: Empire (accept Galactic Empire)

<TRASH, POP CULT>

5. The title character of this novel is buried under a linden tree after he shoots himself. For 10 points each—

A. Name this novel whose protagonist recites the poetry of Ossian [AH-see-an] to his beloved while staying in the town of Wahlheim [VAHL-hyme].

answer: The Sorrows of Young Werther [VAYR-tayr] (or Die Leiden des jungen Werthers)

B. This German author of *The Sorrows of Young Werther* wrote about a theater enthusiast in the novel *Wilhelm Meister's Apprenticeship*.

answer: Johann Wolfgang von Goethe [GUR-tuh]

C. *The Sorrows of Young Werther* is this type of novel that is presented as a series of letters. The name of this literary form derives from a Latin word meaning “letter.”

answer: epistolary [uh-PIH-stuh-lair-ee] novel

<LIT, EURO>

6. In 1919 this man was given the rank of “General of the Armies of the United States.” For 10 points each—

A. Name this general who led the American Expeditionary Forces, or AEF, during World War I.

answer: John J(oseph) Pershing (accept Black Jack Pershing)

B. Before he became the leader of the AEF, Pershing led the Punitive Expedition in response to a raid on Columbus, New Mexico by this Mexican revolutionary leader.

answer: Pancho Villa [PAHN-choh VEE-yah] (or Francisco Villa or José Doroteo Arango Arámbula [dor-oh-TAY-oh ah-RAHN-goh ah-RAHM-boo-lah])

C. Earlier in his career, Pershing fought alongside the Buffalo Soldiers at this 1898 battle that occurred on the same day as the Battle of El Caney [kah-NAY].

answer: Battle of San Juan Hill (or Battle of San Juan Heights)

<HIST, AMER>

7. On this kind of visual depiction, a bosonic propagator is represented with a wavy line connecting two points. For 10 points each—

A. Name these “diagrams” used to represent interactions among subatomic particles.

answer: Feynman [“FINE”-mun] diagrams (accept Feynman-Dyson diagrams or Stueckelberg diagrams)

B. On a Feynman diagram, moving in the opposite direction of the time axis indicates this kind of particle with identical properties to its companion, except the charge and a few other properties are opposite. The positron is this kind of particle for the electron.

answer: antiparticle (accept antimatter)

C. The internal line of a Feynman diagram corresponds to a propogator, and is represented with this type of particle. This term also applies to an image that cannot be projected onto a screen.

answer: virtual particle (accept virtual image)

<SCI, PHYS>

8. This story's narrator tricks his enemy Fortunato by pretending to have acquired a ”pipe” of the title wine. For 10 points each—

A. Name this Edgar Allan Poe story in which Fortunato is left to die behind a stone wall.

answer: The Cask of Amontillado [ah-mohn-tee-AH-doh]

B. “The Cask of Amontillado” is narrated by this man, whose family motto can be translated as “no one attacks me with impunity.”

answer: Montresor [mawn-tray-sor]

C. The arms of the Montresor family depict a “huge human foot” crushing one of these ”rampant” animals.

answer: snakes or serpents (or Serpentes; accept vipers)

<LIT, AMER>

9. For 10 points each—answer the following about Europe's attempts to rid itself of Napoleon:

A. After his defeat at the Battle of Leipzig, Europe tried to get rid of Napoleon by exiling him to this island off the coast of Tuscany. It didn't work.

answer: Elba

B. Napoleon ultimately escaped from Elba and led France for another 100 days, before being defeated by the Duke of Wellington in this 1815 battle.

answer: Battle of Waterloo

C. Napoleon died on the island of St. Helena in 1821. Historians have long speculated that he was killed by this poison, present in the wallpaper of his bedroom.

answer: arsenic (or As)

<HIST, EURO>

10. For 10 points each—answer these questions about acids:

A. What definition of acidity, which applies to any solvent, defines acids as substances capable of donating a proton to the solvent?

answer: Brønsted-Lowry [BRAHN-sted LAO-ree] acids (do not accept or prompt on “Arrhenius”)

B. The Arrhenius [uh-RAY-nee-us] definition is that an acid is a substance that emits what kind of ion, equivalent to a single proton?

answer: hydrogen(-plus) ion or H+ (or H+1 or H+1+; do not accept or prompt on “hydronium”)

C. In chromic acid, H2CrO4 [“H two, C-R-O four”], the chromium atom has what oxidation state? Be sure to give the sign.

answer: +6 or 6 plus (do not accept or prompt on “6”)

<SCI, CHEM>

11. There are “Red,” “White,” and “Black” branches of this river, whose name is from the Portuguese for “turn.” For 10 points each—

A. Name this West African river that empties into the Gulf of Guinea and forms part of the Ivory Coast's eastern border.

answer: Volta River

B. The mouth of the Volta River is in this country once known as the Gold Coast. Its capital is Accra [AH-kruh].

answer: (Republic of) Ghana

C. Ouagadougou [wah-gah-DOO-goo] is the capital of this landlocked African country that was known as Upper Volta until the 1980s.

answer: Burkina Faso [bur-KEE-nah FAH-soh]

<GEO, GEO>

12. Nikolai Rimsky-Korsakov had this medical condition, which caused him to perceive the key of F as green. For 10 points each—

A. Name this phenomenon in which stimulating one sense causes a person to experience an associated stimulus in another sense.

answer: synesthesia [SIN-uss-THEE-zhuh] (accept synesthete or synesthetic)

B. This author, who described his experiences with synesthesia in his memoir *Speak, Memory*, wrote about Humbert Humbert's pursuit of the title ”nymphet” in *Lolita*.

answer: Vladimir (Vladimirovich) Nabokov

C. This artist may have been a synesthete [SIN-uss-theet]; he claimed he could hear his paintbox ”hiss,” in addition to painting a series of *Compositions* and founding the Expressionist group The Blue Rider with Franz Marc.

answer: Wassily (Wassilyevich) Kandinsky [VOSS-ill-ee kan-DIN-skee]

<MISC., MISC.>

13. This composer commemorated his mother's death by compiling sections from the Luther Bible as the text for his *A German Requiem*. For 10 points each—

A. Name this composer of a “wiegenlied,” [VEE-gun-leed] or “lullaby.”

answer: Johannes Brahms

B. Brahms's “Saint Anthony” variations are based on a theme by this 18th-century Austrian composer, who worked for the Esterházy family and taught Beethoven.

answer: (Franz) Joseph Haydn [HYE-din]

C. Brahms' symphony of this number, in E minor, ends with a chaconne [shah-kohn]. It was Brahms's final symphony.

answer: Symphony No. 4 in E minor (or Fourth Symphony)

<FA, AUDIO>

14. This author's novel *Picture This* considers various subjects related to Rembrandt's painting *Aristotle Contemplating the Bust of Homer*. For 10 points each—

A. Name this novelist who wrote about Chaplain Tappman's reunion with a former World War II comrade in *Closing Time*.

answer: Joseph Heller

B. *Closing Time* is a sequel to this Heller novel, in which the title regulation obliges airmen to continue flying missions.

answer: Catch-22

C. Chaplain Tappman uses the Freedom of Information Act to locate this protagonist of *Closing Time* and *Catch-22*, who experienced “love at first sight” when he met the chaplain.

answer: John Yossarian (accept either underlined portion)

<LIT, AMER>

15. Pencil and paper ready. For 10 points each—give either the name or the number of sides of the regular polygon with these properties:

A. Its interior angles each measure 120 degrees.

answer: (regular) hexagon or 6 sides (or 6-gon; accept hexagonal shape) [*I* = (180/*n*) × (*n* - 2) = 120, so 180*n* - 360 = 120*n*, so -360 = -60*n*, and *n* = 6]

B. Its area equals one-fourth times the square root of 3 times the *square* of the side length.

answer: (equilateral) triangle or 3 sides (or 3-gon; accept triangular shape)

C. It has a total of 14 diagonals; you have 10 seconds.

answer: (regular) heptagon [HEP-tuh-gon] or (regular) septagon or 7 sides (or 7-gon; accept heptagonal shape or septagonal shape) [An *n*-sided polygon has *n*(*n* - 3)/2 diagonals, so *n*(*n* - 3)/2 = 14, so *n*(*n* - 3) = 28, which, via inspection, can be solved as *n* = 7.]

<SCI, OTHER>

16. The White Pass connected the town of Skagway to the headwaters of this river. For 10 points each—

A. Name this river that flows through Alaska and a namesake territory in northwest Canada.

answer: Yukon River

B. This tributary of the Yukon was the site of a namesake gold rush in the late 19th century.

answer: Klondike River

C. The Klondike Gold Rush came to an end after a new gold rush occurred around this Alaskan town on the Seward Peninsula. Today, it's the endpoint of the Iditarod [“eye”-DIT-uh-rahd] sled dog race.

answer: Nome

<GEO, GEO>

17. For 10 points each—answer the following about speechwriters for Richard Nixon:

A. William Safire was the long-time author of the “On Grammar” column for the Sunday magazine of this New York newspaper, whose motto is “All the news that's fit to print.”

answer: The New York Times (or NYT)

B. In the 2000 election this far-right politician known for his anti-Semitism received over 3,000 votes in the heavily Jewish Palm Beach County due to a controversial ”butterfly ballot.”

answer: Pat(rick Joseph) Buchanan

C. This economist went on to create both the creationist film *Expelled* and a game show on which contestants could “win” his “money.”

answer: Ben Stein (or Benjamin (Jeremy) Stein; accept Win Ben Stein's Money)

<HIST, AMER>

18. For 10 points each—answer the following about advances in gay rights in America:

A. Gays and lesbians were allowed to serve openly in the U.S. military following the 2011 repeal of this policy that had previously barred them from revealing or being questioned about their sexuality.

answer: Don't Ask, Don't Tell (or DADT)

B. A June 1969 police raid at this Greenwich Village bar, which resulted in riots, is widely considered the beginning of the modern gay rights movement.

answer: Stonewall Inn (accept Stonewall riots)

C. In 1974 homosexuality was removed as a mental illness from this publication of the American Psychiatric Association, which is now in its fifth edition.

answer: DSM or Diagnostic and Statistical Manual of Mental Disorders

<HIST, AMER>

19. For 10 points each—name these British authors who wrote about color-coded fascist movements:

A. Lady Edward mocks the green uniforms worn by the Brotherhood of British Freemen in *Point Counter Point*, a novel by this author of the dystopian *Brave New World*.

answer: Aldous (Leonard) Huxley

B. Roderick Spode leads the “Black Shorts” when not designing women's underwear in this author's novels about the brilliant servant Jeeves.

answer: P. G. Wodehouse [“wood-house”] (or Pelham Grenville Wodehouse)

C. Lord Horatio organizes a group of ”purple shirts” in *The Holy Terror*, a late work by this author who described a deadly ”Leopard-man” in *The Island of Doctor Moreau* [moh-ROH].

answer: H. G. Wells (or Herbert George Wells)

<LIT, BRIT>

20. For 10 points each—answer these questions about the adrenal [uh-DREE-nul] glands:

A. The adrenal glands sit atop what urine-producing organs?

answer: kidney(s)

B. What outer part of the adrenal glands secretes cortisol and surrounds the inner medulla?

answer: adrenal cortex (or adrenal cortices or cortical layer)

C. The adrenal medulla secretes epinephrine [ep-in-EF-rin] and norepinephrine [NOR-ep-in-EF-rin], which are derived from what amino acid that differs by an OH group from phenylalanine?

answer: tyrosine [TYE-roh-seen] (or Tyr or Y)

<SCI, BIO>

21. For 10 points each—answer the following about the American philosopher John Rawls:

A. His major work offers a “theory of” this concept; one of his essays presents this concept “as fairness.”

answer: justice (accept A Theory of Justice or Justice as Fairness)

B. Rawls spent most of his academic career as a philosophy professor at this Ivy League university; earlier philosophy professors at this school included George Santayana.

answer: Harvard University

C. Rawls's view of justice was criticized by this libertarian thinker in his *Anarchy, State, and Utopia*. This man, who also taught at Harvard, wrote such books as *Philosophical Explanations*.

answer: Robert Nozick

<RMPSS, PHIL>

22. In December 2015 this company ended its plans to sell its appliance business to Electrolux, largely due to an antitrust lawsuit filed by the U.S. Justice Department. For 10 points each—

A. Name this company led by CEO Jeffrey Immelt.

answer: GE or General Electric

B. GE's manufacturing business also makes engines for this company's 747 and 777X aircraft.

answer: (The) Boeing [BOH-ing] (Company)

C. In June 2015, GE announced it was selling part of its lending business to a fund run by a Canadian one of these plans that pay scheduled benefits to retirees. 401k's have replaced many of these retirement plans.

answer: pension(s) (plans) (accept retirement pensions or old-age pensions or similar answers; accept Canada Pension Plan Investment Board; prompt on “retirement plan(s)”)

<CE, CE>

23. This building is located at the north end of its associated charbagh [SHAR-bahg] garden, and is flanked by four minarets. For 10 points each—

A. Name this white marble mausoleum constructed near Agra under the orders of Shah Jahan for his wife Mumtaz.

answer: Taj Mahal [TAHZH muh-“HALL”]

B. The Taj Mahal is topped with this type of bulbous architectural feature that flares out from its base and tapers to a point. Saint Basil's Cathedral in Moscow features nine colorful examples of them.

answer: onion domes (prompt on “dome(s)”)

C. Shah Jahan also commissioned this gem-studded seat named after a colorful bird. It has been lost ever since Nader Shah captured Delhi in 1739.

answer: Peacock Throne

<HIST, WORLD>

24. This pro-democracy protest was brought to an end in 1989 by the declaration of martial law and the shooting of hundreds of students. For 10 points each—

A. Identify these protests named for the public area where they took place, located south of the Gate of Heavenly Peace.

answer: Tiananmen Square [tee-AN-an-men “square”] protests of 1989 (or Tienanment Square Massacre or Tiananmen Guangchang; accept June Fourth Incident or Massacre prompt on partial answers)

B. Tiananmen Square is in this Chinese capital.

answer: Beijing (or Peking)

C. The iconic image of the protests shows an unidentified man moving back and forth to prevent this kind of vehicle from passing.

answer: (type 59) tank

<HIST, WORLD>