



PACE NSC 2017 - Round 09 - Tossups

1. A terrorist group in this country killed British diplomat Stephen Saunders 12 years after it used a car bomb to assassinate US naval attaché William Nordeen. The terrorist group called Revolutionary Organization 17 November takes its name from a date in 1967 when students started protesting against a seven-year period of military rule. Royalist forces in this country who supported King George II received US backing in its (*) 1946 to 1949 civil war through the Truman Doctrine. An attempt to achieve *enosis* with an island neighbor brought down its Regime of the Colonels. In the 19th century, its independence was secured through a naval victory over Ibrahim Pasha at the Battle of Navarino. For 10 points, name this country frequently in conflict with Turkey, with capital at Athens.

ANSWER: Greece [or Hellenic Republic] <Bentley>

2. The first movement of a piece for this many musicians by Maurice Ravel is a *zortziko* (SORT-see-koh) in 8/8 time reworked from his unfinished Basque-inspired piano concerto *Zazpiak Bat* (SOSS-pyock BAHT). Three pieces for this many instruments comprise Beethoven's Opus 1, while Rachmaninoff wrote a pair of "elegiac" works for this many instruments. A clarinet is included in a group of this many musicians in a piece nicknamed for a hall used to play skittles. Another work for this many instruments received its nickname from its (*) eerie second movement. A B-flat major piece for this many instruments completed in 1811 was dedicated to Rudolf of Austria. Mozart's *Kegelstatt* (KAY-gul-SHTOTT) piece is for this many instruments, as are pieces by Beethoven nicknamed *Ghost* and *Archduke*. For 10 points, a Viennese waltz has how many beats per measure?

ANSWER: three [or 3; accept piano trios or string trios; or triple time] <Carson>

3. A poem by this author imagines a crow sitting "on a withered branch" in the evening. Donald Keene used the sentence "The months and days are the travelers of eternity" to open his translation of a book by this author, which lends its name to a novel about Dorrigo Evans's time in a POW camp by Australian author Richard Flanagan. The "cutting words" in this author's works are often translated as *punctuation*, as in a poem in which one of them precedes a (*) "season word." This author took his pen name from the banana plant near his house. A frog leaps into an "old pond" in the best-known poem by this author of the travelogue *Narrow Road to the Deep North*. For 10 points, the 5–7–5 syllable format features in the poems of what Japanese master of the *haiku* form?

ANSWER: Matsuo Bashō [or Matsuo Chūemon Munefusa] <Brownstein>

4. SecM (seck-M) binds to these structures and stalls their ratcheting mechanism. A crystal structure by Venki Ramakrishnan helped prove that these structures' exit tunnels dock with the translocon. These structures bind to IRES (EYE-ress) sequences in eukaryotes and to namesake sites immediately five-prime to the coding sequence in prokaryotes. The 50S and 30S subunits of these structures in bacteria are usually just labelled (*) "large" and "small". Tetracycline binds these structures and prevents their A sites from binding an amino·acyl-tRNA at the anticodon loop. These structures are synthesized by the nucleolus from a mix of protein and a namesake type of RNA. For 10 points, name these organelles that stud the rough ER, the site of protein synthesis.

ANSWER: ribosomes [or ribosomal RNA] <Silverman>

5. A variety of this material titles a book by Michael Beloff in which it designates universities like Essex, York, and East Anglia. Staircases with treads of this material flanked a seven-tiered waterfall inside a building made for the 1914 Werkbund Exhibition that was topped with a pointed cupola (CUE-poh-luh) made of rhombuses of this material. Bruno Taut designed a pavilion named for this material, which is now often produced in a process that involves (*) floating it on a bed of molten tin. A red-and-black gatehouse called "Da Monsta" is part of a compound centering on a building named for this material whose design was inspired by the Farnsworth House. Philip Johnson's former residence is a house named for, for 10 points, what material used in architectural glazing and windows?

ANSWER: glass [accept plate glass] <Carson>

6. Steve Bales received an award from the President for not aborting this mission. The commander of this mission troublingly observed Maskelyne W (MASK-uh-lin W) three seconds earlier than expected. Norman Mailer remarked "What a name!" regarding Alarm 1202, an "Executive Overload" error that threatened to derail this mission due to different power supplies from those used in the simulator. While in Guam to greet the crew on this mission, President (*) Nixon issued his namesake doctrine. Charlie Duke remarked that "We're breathing again" after the commander of this mission reported that he was safe at Tranquility Base. Michael Collins remained in the Command Module during this mission. For 10 points, name this mission in which Buzz Aldrin and Neil Armstrong landed on the moon.

ANSWER: Apollo 11 <Bentley>

7. Pliny the Elder claimed that the mortal enemy of these beings was a creature that coated itself in several layers of mud before fighting them, called the ichneumon. The Slavic god Perun's rival Veles often took the form of one of these creatures. Tvashta created one of them to avenge the death of his son Trisiras; in an earlier story, that creature of this type had 99 fortresses in which he imprisoned the (*) waters of the world. Hymir's cowardice saved the life of another of these creatures; that one was briefly disguised as a cat by Utgard-Loki. Indra used his thunderbolt to kill one of these beings named Vritra, while another one will kill and be killed at Ragnarök by Thor. Jörmungandr is the "Midgard" example of, for 10 point, what animal depicted eating itself in an *ouroboros*?

ANSWER: snakes [or serpents; or sormr; accept dragons or world serpents] <Carson>

8. This country's leader has pushed to change words such as "insult" and "offend" in Section 18C of its Racial Discrimination Act. In July 2016, Sam Dastyari sarcastically congratulated a far-right politician from this country on her election by inviting her out for a "halal snack pack". This country hasn't had a recession since 1991 largely due to high Chinese demand for iron mined in its west. The far-right One (*) Nation party in this country is challenging its ruling Liberal-National coalition. *The Guardian* created a database of abuses in some of this country's migration centers in Nauru (NOW-roo). In February 2017, its prime minister pushed Donald Trump to honor an Obama-era deal to accept 1,250 refugees in an acrimonious phone call. For 10 points, name this country led by Malcolm Turnbull.

ANSWER: Australia [or Commonwealth of Australia] <Bentley>

9. A town described by this adjective contains the Weary Gentleman saloon, which is where a drummer and the barkeep discuss the possibility of "some shootin' – some good shootin'." Jack Potter returns from San Antonio to a town with this adjective in its name. This adjective appears in the title of a story in which the narrator declares, "if those heads were covered or taken off it would not be half so bad" while confined to a former (*) nursery. That short story with this adjective in its title sees the protagonist's husband John mandating that she take the rest cure. Stephen Crane wrote about a bride coming to a town with this color sky. For 10 points, name this color that, in a short story by Charlotte Perkins Gilman, describes the wallpaper.

ANSWER: yellow [accept Yellow Sky or Yellow Wallpaper] <Bentley>

10. The PNG format was developed after a brouhaha erupted between CompuServe and Unisys over an algorithm that performs this task. Many algorithms for this task use discrete cosine transforms to convert a signal into the frequency domain, and then discard components of the signal above a desired threshold. Prefix codes for this task are generated by an algorithm that examines strings and builds a (*) tree. In the Linux operating system, the output of this task may be a tarball. The LZW algorithm and Huffman coding are examples of the "lossless" type of this process. "Lossy" examples of this process include creating JPEGs and MP3s. For 10 points, name this process of reducing the amount of data needed to specify a file, which is often done to an image or music.

ANSWER: compression [accept word forms; prompt on encoding or encode] <Jose>

11. Rush Rhees transcribed a lecture by this philosopher in which he claimed that a face drawn with four strokes could convey emotions with more exactitude than any adjective. Saul Kripke used an example involving the operation "quus" (kwooce) to illustrate a skeptical rule-following paradox this man supposedly posed. G. E. M. Anscombe edited a book by this man, which begins with a quotation on learning language by St. Augustine and argues that forms of life are verbalized in (*) language games. That book by this man dismisses the possibility of private language with its "beetle in a box" thought experiment. This philosopher opened another book with "The world is all that is the case." For 10 points, name this author of *Philosophical Investigations* and *Tractatus Logico-Philosophicus*.

ANSWER: Ludwig (Josef Johann) Wittgenstein <Kothari>

12. This character describes how Maurilians prefer visitors to praise postcards of their former scenery over their current, and how Eusapians pose their dead in an identical underground metropolis. While playing chess in a magnolia garden, this person uses memory, desire, signs, eyes, names, the dead, and the sky to categorize places that come in thin, trading, continuous, and hidden varieties. This author described "black stones that burn like logs" and paper (*) money made from mulberry trees. This person describes fantastic places to a king in *Invisible Cities* by Italo Calvino. Rustichello da Pisa transcribed a book by this author titled *Il Milione*, which recounts journeys he took with his father and uncle. For 10 points, name this Italian traveler who described Kublai Khan's court.

ANSWER: Marco Polo [or Marco Polo] <Brownstein>

13. The case *Dettmer v. Landon* ruled that prohibiting a prisoner who practiced this religion from owning ritual objects did not violate his First Amendment rights. This religion's ethical code is summarized by the statement "An it harm none, do what ye will," which is known as its namesake Rede. A tradition within this religion was founded by Gerald Gardner, who allegedly encountered predecessors of this religion in the New (*) Forest. Many of this religion's rituals include an element called the fivefold kiss. Its eight seasonal festivals are marked by the Wheel of the Year; those festivals are called sabbats. For 10 points, name this Neopagan religion whose followers are organized into covens and practice witchcraft.

ANSWER: Wicca [or Wiccans; prompt on Neopaganism; prompt on anything that mentions witches] <Cheng>

14. A man in the foreground of this painting wears a red-and-gold robe that includes large red tassels and a panel depicting the man's own martyrdom. Robert Byron, among others, have suggested that this painting's composition was inspired by Byzantine depictions of the Dormition of the Virgin. Seven men in black clothing with huge white ruffs form the center of a horizontal line of heads that divides this painting. The artist's signature and the date (*) 1578 appear on a handkerchief in the pocket of a boy who points at this painting's central figure. Darker colors in the "terrestrial" lower half of this painting contrast with brighter ones in its "heavenly" upper half. Saints Augustine and Stephen lower the corpse of Don Gonzalo Ruiz, the title noble of, for 10 points, what painting by El Greco?

ANSWER: *The Burial of the Count of Orgaz* [or *El entierro del senor de Orgaz*; or *El entierro del Conde Orgaz*; accept reasonable translations that include an equivalent of the underlined information] <Jose>

15. Two of Lipinski's four "rules of five" restrict how much a drug candidate can participate in this effect. The notation "*i*-plus-four maps to *i*" describes the orientation of this effect in proteins. PCR annealing temperatures are chosen based on the energy for this interaction between oligonucleotides. Because beta-glycosides but not alpha-glycosides participate in this effect between strands, (*) cellulose is harder to digest than starch. This interaction defines macromolecular secondary structure, since it holds together alpha-helices, beta-sheets, and strands of DNA and RNA. The solvation ability and cohesion of water arise from its participation in this interaction. For 10 points, name this type of strong dipole–dipole force between oxygen and a namesake light element.

ANSWER: hydrogen bonding [or H-bonding; prompt on partial answer; prompt on base pairing or complementarity] <Silverman>

16. A kingdom of this people constantly moved between their summer capital of Peiting and their winter capital of Qocho. Before this people's capital of Ordu Baliq was sacked, its empire allowed Sogdian refugees to join them, and they created the Bezeklik Thousand Buddha Caves near the Flaming Mountain. The first (*) khaganate of this people was dispersed after the Kirghiz overran them. In 2009, violence broke out in this people's capital of Ürümqi (UH-rum-chee) after the deaths of two people in the TIM terrorist organization. The Tarim Basin is home to this people, who live in the northwesternmost administrative division of China. For 10 points, name this people who largely live in the Xinjiang (sheen-jyong) autonomous region.

ANSWER: Uighurs (WEE-gurz) [or Uyghurs] <Jose>

17. In a story by this author, two characters plan to surprise the "whole region" by hunting wildfowl together and dining in each other's castles after they share a wine flask. A character's claim that "all hunting stories are the same" prompts the Baroness to tell one in which an escaped hyena eats a gypsy child in this author's story "Esmé." The single-word sentence "Wolves." ends a story by this author, in which hunters from the (*) rival Znaeym and von Gradwitz families get trapped under a fallen tree in the Carpathians. In a story by this author, a girl with a specialty for "romance at short notice" invents a story about three hunters getting engulfed in a bog to frighten Mr. Nuttel when they return. For 10 points, name this Victorian author of "The Interlopers" and "The Open Window."

ANSWER: Saki [or Hector Hugh Munro] <Brownstein>

18. The German word for "single", *einzel* (YNE-tzell), names a type of one of these devices composed of three cylinders, of which the first and third are held at the same potential. In one theory, these objects effectively take the Fourier transform of a plane wave and map it as a point spread function onto a backplane. An effect named for these devices can form Einstein rings; that effect can be used to map (*) exoplanets. The power of these objects is measured in inverse-meters or diopters, and depends on the reciprocal of two radii, according to an equation named for a "maker" of these things. These devices can produce comas. When rays traced through them do not convene at a single point, they give spherical aberrations. For 10 points, name these devices that refract and focus light.

ANSWER: lenses [or electrostatic lenses; or einzel lenses; or gravitational lenses] <Silverman>

19. A case in which Susan Guillory Phipps sued the state of Louisiana to change this kind of designation is described in Omi and Winant's book on "formations" of this concept. Richard Lewontin's use of the fixation index to dismiss the existence of these things was challenged as "Lewontin's fallacy." In *The Mismeasure of Man*, Stephen Jay Gould contested Samuel Morton's research on differences among these entities. Franz Boas challenged the existence of these things after observing high plasticity in (*) skull morphology between immigrants and their children. Johann Blumenbach's classification of these things included the Malayan, Ethiopian, and Caucasoid. For 10 points, name this concept used to delineate broad groups of people by features like geographic origin or skin color.

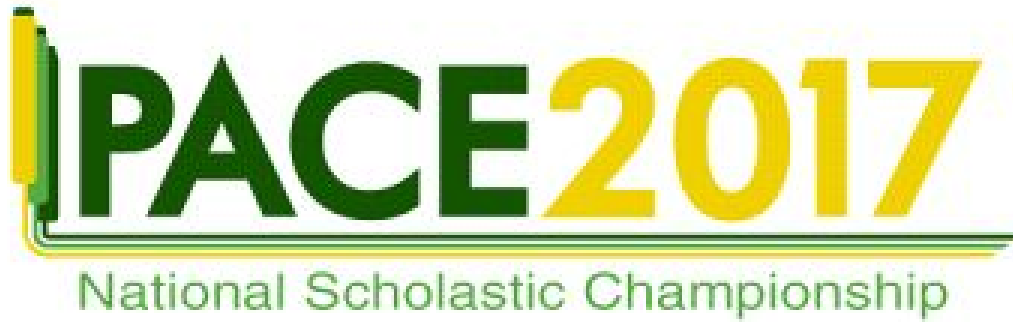
ANSWER: human races <Kothari>

20. This man's career took off after he successfully argued that Sextus Roscius had not killed his father. This man was given a *supplicatio* but not a triumph for stamping out some brigands at Mt. Amanus as Governor of Cilicia. His freed slave Tiro compiled his letters to his childhood friend Titus Pomponius Atticus. This man got Milo acquitted after Milo's attendants killed Clodius Pulcher, who had earlier proclaimed this man an exile. As (*) consul, this man posed the question "When... do you mean to cease abusing our patience?" to the conspiratorial senator Catiline. This man's tongue and hands were cut out on the orders of an enemy that he targeted in his Demosthenes-inspired *Philippics*. For 10 points, name this enemy of Marc Antony, a Roman orator.

ANSWER: Cicero [or Marcus Tullius Cicero] <Bentley>

21. This work discusses a solution to the over-hunting of deer offered by a "true Lover of his Country," but cites more approvingly the accounts of a "very knowing American" and "famous Salmanaazor, a Native of the Island Formosa." This work lists "introducing a vein of parsimony," "quitting our animosities and factions," and "taxing our absentees" among the expedients that the author doesn't wish to be talked about. This essay begins by lamenting the sight of (*) female beggars "followed by three, four, or six Children, all in Rags." A practice argued for in this essay would "lessen the number of Papists" and give poor families a commodity to sell at meat markets. For 10 points, name this satirical essay by Jonathan Swift that suggests eating Irish one-year-olds.

ANSWER: "A Modest Proposal" [or "A Modest Proposal For preventing the Children of Poor People From being a Burden to Their Parents or Country, and For making them Beneficial to the Publick"] <Brownstein>



PACE NSC 2017 - Round 09 - Bonuses

1. The towns of Naxos and Besra were founded by these figures, who attempted to carry out a plot involving stacking Mount Pelion on Mount Ossa. For 10 points each:

[10] Name these two figures who locked Ares in a jar for thirteen months during their insurrection against Zeus. Either their collective name or their individual names are acceptable.

ANSWER: Otus AND Ephialtes [accept names in either order; accept the Aloadae or the Aloads; prompt on giants]

[10] Otus and Ephialtes imprisoned Ares after they tried to take over this mountain, the home of Zeus and the other gods. In both real life and mythology, it is the tallest mountain in Greece.

ANSWER: Mount Olympus

[10] To kill the Aloadae, Artemis transformed herself into one of these animals and jumped between them, causing them to fire arrows at each other. Artemis was often accompanied by one of these animals, which was sacred to her.

ANSWER: deer [accept doe or stag or hind] <Jose>

2. At the end of Act I of an opera set in this city, the ghost of the murdered king Nino emerges from his tomb and terrifies the couple who conspired to murder him. For 10 points each:

[10] Name this city, the setting of *Semiramide* (seh-mee-RAH-mee-day). It is also the setting of an opera in which the high priest Zaccaria consoles a chorus that sings "Va, pensiero."

ANSWER: Babylon

[10] This man wrote the *opera seria* *Semiramide* after composing a series of comic operas, such as *La Cenerentola* and *The Barber of Seville*.

ANSWER: Gioachino Rossini [or Gioachino Antonio Rossini]

[10] The chorus "Va, pensiero" is sung by a group of captive Hebrew slaves in this Verdi opera, which is titled for the Babylonian king who exiled those slaves.

ANSWER: Nabucco [or Nebuchadnezzar] <Gupta>

3. These writings often used the terms "alarum" and "excursion" to indicate fighting. For 10 points each:
[10] Identify these instructions to actors found in the text of plays, examples of which from Shakespeare include "aside," indicating an internal monologue, and "exeunt," indicating a character leaving the scene.

ANSWER: **stage directions**

[10] A stage direction from Shakespeare's *The Winter's Tale* specifies that Antigonus exits the stage in this manner, suggesting that he is about to be killed by a wild animal.

ANSWER: pursued by **bear** [or obvious equivalents of being chased by a **bear**]

[10] Another of Shakespeare's most celebrated stage directions is "Holds her by the hand, silent," which appears in this play. In this play, Agrippa gives a speech to a group of rioting plebeians that compares the patricians to a body's stomach.

ANSWER: **Coriolanus** <Brownstein>

4. Harald Helfgott proved the weak version of this statement in 2013. For 10 points each:

[10] Name this conjecture that states that every integer greater than two is expressible as the sum of two primes. Unlike the weak version, which states that every odd number greater than five is expressible as the sum of three primes, this conjecture remains unsolved.

ANSWER: **Goldbach's** conjecture [or the **Goldbach** conjecture]

[10] Another conjecture about prime numbers concerns the supposition that there are an infinite number of these sorts of primes, which are a distance of exactly two away from another prime. The first Hardy–Littlewood conjecture generalizes the conjecture named after these primes.

ANSWER: **twin primes** [or **prime twin**; or **prime pair**]

[10] Serious progress was made on the twin prime conjecture in 2013 when this previously obscure mathematician published a paper proving that there are an infinite number of pairs of prime numbers that are separated by some number less than 70 million.

ANSWER: Yitang **Zhang** (EE-tong JONG) [or Tom **Zhang**] <Aggarwal>

5. This composer wrote the *largo* sixth variation for his friend Franz Liszt's collaborative project *Hexaméron*. For 10 points each:

[10] Name this composer who was dubbed "a genius" by Robert Schumann on the strength of his *Variations on "Là ci darem la mano"* (LA chee DAH-rem la MAH-no). He composed 21 nocturnes and the *Revolutionary Étude*.

ANSWER: Frédéric **Chopin** (shoh-PAN) [or Frédéric François **Chopin**; or Fryderyk Franciszek **Szopen**]

[10] The sight of a small dog chasing its tail supposedly inspired this famous Chopin piece, a dance in 3/4 time. Despite the common pronunciation, its nickname was intended to refer to its small size, rather than its intended duration.

ANSWER: **Minute Waltz** [accept **Waltz in D-flat major** or **Opus 64, No. 1**]

[10] In Chopin's *Raindrop Prélude*, the left hand repeats this note in the first and third sections, while the right hand repeats the enharmonic of this note throughout the second section. Chopin's *Heroic Polonaise* is in this note's major key.

ANSWER: **A-flat** [do not accept or prompt on "A" or "G-sharp"] <Carson>

6. This country's second president Floriano Peixoto (**pay-SHOH-too**), suppressed the Revolta da Armada and overthrew an emperor who later fled to Portugal. For 10 points each:

[10] Name this country, which became a republic in 1889 after its first president, Deodoro da Fonseca, ousted an emperor.

ANSWER: **Brazil** [or Federative Republic of **Brazil**]

[10] The Brazilian Empire was ruled by the House of Braganza since it was once a colony of this European power. Lands in the Americas were divided between Spain and this country by the Treaty of Tordesillas.

ANSWER: **Portugal**

[10] After the formation of the First Republic, this slightly-inland state of Brazil became a center of coffee production. The Brazilian gold rush began after gold was found in the mountains of this southern Brazilian state.

ANSWER: **Minas Gerais** (**MEE-nuss zehh-RICE**) <Jose>

7. This man conducted a series of experiments that allowed to him explain in what circumstances a scalpel touched to an exposed frog nerve would cause the frog to twitch. For 10 points each:

[10] Name this Italian scientist who discovered animal electricity. The electric contraction of muscles is now named for him.

ANSWER: Luigi **Galvani** [or Luigi Aloisio **Galvani**; or Aloysius **Galvanus**]

[10] The current for some of Galvani's experiments was produced through these devices, a primitive type of capacitor consisting of a metal foil surrounded by glass. These devices are named for the city in which Pieter van Musschenbroek (**MUSH-uh-bruke**) worked.

ANSWER: **Leyden jar** [or **Leiden jar**]

[10] Leyden jars store this type of electricity. For safety, one should wear a conductive strap to prevent discharge of this type of electricity when working with electronics.

ANSWER: **static** electricity <Bentley>

8. Tom Clark's parody of this poem adds words like "Toast" and "Syrup" and closes with the phrase "a state of crashing ignorance." For 10 points each:

[10] Name this poem. Anthony Hecht parodied it in a poem about its addressee, who is told "things are bad all over, etc., etc." and "had read Sophocles in a fairly good translation / And caught that bitter allusion to the sea."

ANSWER: **"Dover Beach"** [The parody is "Dover Bitch".]

[10] Guy Montag reads "Dover Beach" to his wife's friends in this Ray Bradbury novel about a dystopia in which books are burned.

ANSWER: **Fahrenheit 451**

[10] In this author's *The Last Gentleman*, the protagonist's father recites "Dover Beach" on the night of his suicide. The existential crisis of the stockbroker Binx Bolling leads him to travel to Chicago in a novel by this author.

ANSWER: Walker **Percy** [The novel is *The Moviegoer*.] <Brownstein>

9. The name of this weapon derives from a French word meaning "to break wind". For 10 points each:

[10] Name this type of somewhat unreliable small bomb usually used to destroy gates or walls. A Shakespearean idiom meaning "to fall into one's own trap" involves one being "hoist" by one of these things.

ANSWER: **petard** [accept hoist by one's own **petard**]

[10] Shakespeare had this character note "'tis sport to have the engineer / hoist by his own petard" while changing the contents of sealed letters so that the King of England will execute his former friends Rosencrantz and Guildenstern, rather than himself.

ANSWER: Prince **Hamlet**

[10] The Indo-European root of the word "petard" also developed through Greek into *Onopordum acanthium*, the scientific name for this plant that often caused donkeys who ate it to start uncontrollably farting. This national flower of Scotland gives its name to a chivalric order founded by King James II.

ANSWER: **thistle** [accept Scotch **thistle** or cotton **thistle** or the Order of the **Thistle**] <Jose>

10. People who had gotten rich in this country were returning to England on the *Royal Charter* when that ship wrecked off the coast of Moelfre (**MALL-vreh**). For 10 points each:

[10] Name this country where Edward Hargraves made a discovery at a place called Ophir in 1851, sparking a gold rush. Participants in that gold rush in this country protested against an expensive licensing fee in the Eureka Rebellion.

ANSWER: **Australian gold** rush [or **Ballarat** gold rush]

[10] The *Royal Charter* disaster inspired Robert FitzRoy, then at the Meteorological Office, to start issuing gale warnings. FitzRoy had earlier been the captain of this ship, which brought Charles Darwin to the Galapagos islands.

ANSWER: HMS **Beagle**

[10] The password used by the rebel miners at the Eureka Stockade was "Vinegar Hill," a reference to this earlier rebellion. Wolf Tone tried to obtain support for this rebellion from the French Directory government.

ANSWER: **Irish** Rebellion of **1798** [or **United Irishmen** Rebellion; prompt on partial answers] <Bentley>

11. A set of "controversial discussions" between followers of Melanie Klein and others created a division in a British organization for this practice. For 10 points each:

[10] Name this technique developed first by Sigmund Freud in *The Interpretation of Dreams*. It involves getting patients to transfer feelings from repressed childhood conflicts onto the therapist.

ANSWER: **psychoanalysis**

[10] This psychoanalyst was controversial for using very short or interrupted sessions, which was no doubt very lucrative but got him expelled from the International Psychoanalytic Association. He also wrote *Écrits* (ay-KREE).

ANSWER: Jacques Marie Émile **Lacan**

[10] Lacan situated his concept of *jouissance* (zhwee-SAWNS) in opposition to this Freudian concept, which drives the id and denotes the tendency to avoid pain and seek gratification. Freud explored the death drive in a book "beyond" this concept.

ANSWER: the **pleasure principle** [or **Lustprinzip**] <Kothari>

12. America's first art magazine was named for one of these instruments. For 10 points each:

[10] Identify these artistic tools, a type of which made from graphite and clay was invented by and named for Nicolas-Jacques Conté. They're now more commonly made of wax wrapped in paper.

ANSWER: **crayon** [or colored **pencils**; prompt on Conté **sticks**]

[10] This artist's "Letters on Landscape Painting" were published in *The Crayon*. This artist of *The Capture of Major Andre* is best known for a painting in which his mentor stands beside a literary acquaintance and holds a sketchbook and a recorder.

ANSWER: Asher **Durand** [or Asher Brown **Durand**]

[10] Durand was a member of this American school of landscape painting whose members regularly depicted scenes in the Catskills. His aforementioned painting, *Kindred Spirits*, depicts this school's leader Thomas Cole.

ANSWER: **Hudson River** School <Bentley>

13. One of the deadliest events of this type is chronicled in Roger Morris's book *Devil's Butcher Shop* and took place in New Mexico starting at 2:00 a.m. on February 2, 1980. For 10 points each:

[10] Identify this type of event, another of which resulted in the deaths of at least 43 people in New York State in 1971 after National Guardsmen were called in.

ANSWER: **prison riot** [or **prison revolt**]

[10] The Attica prison riots took place during the tenure of a New York governor with this last name who went on to become Gerald Ford's Vice President. This family made its wealth through Standard Oil.

ANSWER: **Rockefeller**

[10] Sam Melville, a member of this group, was one of the leaders of the Attica riots. This guerrilla group organized the Days of Rage and blew up a townhouse in Greenwich Village in 1970.

ANSWER: **Weather Underground** Organization [or **WUO**; or the **Weathermen**; or **Weatherman**] <Bentley>

14. The earliest known version of this poem, published under the title "The Chariot," omits a stanza observing that "the Dews drew quivering and Chill." For 10 points each:

[10] Name this poem whose speaker rides in a carriage that "held but just Ourselves – / And Immortality."

ANSWER: "**Because I could not stop for Death**" [or **479**; or **712**]

[10] Fanciful end-of-life scenarios are depicted in "I heard a fly buzz – when I died," "Because I could not stop for Death," and several other poems by this reclusive American "belle of Amherst."

ANSWER: Emily **Dickinson**

[10] In this poem, Dickinson writes that she sat "In Corners" until her "Master" found her, and calls her smile a "Vesuvian face." The speaker concludes that she has the "power to kill without – the power to die."

ANSWER: "**My Life had stood – a Loaded Gun –**" [or **754**] <Gupta>

15. The surface area of this structure is indented by sulci (**SULL-kye**) and gyri (**JYE-rye**). For 10 points each:

[10] Name this major part of the brain, divided into two hemispheres and four lobes. Its cortex is responsible for cognition.

ANSWER: **cerebrum** [or **cerebral** cortex]

[10] During embryonic development, the cerebrum forms from this most rostral part of the forebrain. This structure lies above the diencephalon, which instead develops into the thalamus and hypothalamus.

ANSWER: **telencephalon**

[10] The telencephalon also develops into subcortical structures, such as this group of structures that includes the amygdala, hippocampus, and olfactory bulb. This system is responsible for memory and emotion.

ANSWER: **limbic** system <Silverman>

16. During the year before this ritual took place, the animal in question wandered freely, and the king extracted tribute from all villages that the animal came across. For 10 points each:

[10] Name this religious ritual that ends with the killing of a horse. The mingling of the horse's sexual organs with the queen's organs in this ritual represented the birth of the next king.

ANSWER: **ashvamedha** [or **asvamedha**; prompt on horse sacrifice]

[10] Before the *ashvamedha* ritual, a king's priests filled the footprints that the horse created with a clarified form of this substance known as *ghee*.

ANSWER: **butter** [prompt on fats]

[10] Texts describing the *ashvamedha* were written in this language, which were also used to write the four *Vedas*. This liturgical language descended from Proto-Indo-European.

ANSWER: **Sanskrit** <Jose>

17. People who might be suffering from this condition were designated with the acronym NYDN and had to go through a clearing station. For 10 points each:

[10] Identify this two-word term coined by Charles S. Myers for a PTSD-like condition. Myers distinguished this condition from neurasthenia, which was thought to afflict better educated recruits.

ANSWER: **shell shock** [or **battle fatigue**]

[10] Shell shock was first diagnosed in soldiers returning from battles in this conflict, such as the Battle of the Somme.

ANSWER: **World War I** [or **First World War**; prompt on Great War]

[10] Among the other ailments that afflicted British Tommies were several named for these things and the words "foot," "fever," and "nephritis."

ANSWER: **trenches** <Bentley>

18. After a character of this profession stutters out a marriage proposal, his future father-in-law opens a window's shutters to indicate it has been accepted. For 10 points each:

[10] Name this profession of Charles, the dull husband of Emma Bovary in *Madame Bovary*.

ANSWER: country **doctor**

[10] *Madame Bovary* is a novel by this French author, who allegedly remarked of his heroine that "Madame Bovary, c'est moi" (*sem-WAH*).

ANSWER: Gustave **Flaubert**

[10] In *Madame Bovary*, Emma convinces Charles to perform surgery on Hippolyte, a stable-boy with this condition, an operation which ends horribly due to Charles's incompetence.

ANSWER: he has a **clubfoot** [accept **congenital talipes equinovarus**] <Brownstein>

19. This quantity, which has units of energy times volume, varies with temperature to the five-halves in the Redlich–Kwong equation. For 10 points each:

[10] Name this quantity that, in another equation, is divided by the molar volume squared to give a correction term to the pressure that arises from intermolecular attractive forces.

ANSWER: the ***a*** term in the van der Waals equation

[10] The *a* term in the van der Waals equation is exactly equal to three, times the squared volume at this point, times the pressure at this point. At this point on a phase diagram, a vapor can no longer be condensed.

ANSWER: **critical** point

[10] The van der Waals equation's *b* term, on the other hand, accounts for this property of the gas particles, which the ideal gas law also assumes to be zero.

ANSWER: their **volume** [or their **size**; or obvious equivalents; do not accept or prompt on "mass"]

<Silverman>

20. Due to an error in sign specifications, a building in this state became known as Red's Giant Hamburg, which was the world's first drive-thru. For 10 points each:

[10] Name this state home to two parks with the same name. One is a state park centered on the former city of Times Beach, which was evacuated due to dioxin contamination, while the other is a "Mural Park" in its city of Joplin, which was struck by an EF5 tornado in 2011.

ANSWER: **Missouri**

[10] Both of those parks are named for this historic route that ran from Chicago to Santa Monica. A popular song advised listeners to "Get Your Kicks On" this route.

ANSWER: Route **66** [or **Will Rogers** Highway]

[10] At its eastern terminus, Route 66 leads into this road in Chicago named for its position near Lake Michigan. Two apartment buildings along this road were designed by Ludwig Mies van der Rohe.

ANSWER: **Lake Shore** Drive [prompt on **LSD**] <Shimizu>

21. Answer the following about the Marxist literary critic György Lukács (**JURJ LOO-kotch**), for 10 points each.

[10] In a 1975 essay, Lukács rejected Kafka's nihilistic modernism in favor of the realism of this other author, whose protagonists include a syphilitic composer chronicled by Serenus Zeitblom and a writer who becomes obsessed with a Polish boy named Tadzio (**TAH-joe**).

ANSWER: Thomas **Mann** [or Paul Thomas **Mann**] [The essay is "Franz Kafka or Thomas Mann?"]

[10] Lukács coined the phrase "transcendental homelessness" in a 1920 book about the theory of this literary genre, which contrasted it with the epic. Thomas Mann's works in this genre include *Buddenbrooks* and *Doctor Faustus*.

ANSWER: the **novel** [or der **Roman**; accept historical **novels**]

[10] Lukács's essay "Realism in the Balance" praises the sense of alienation experienced by the title character of this Mann novella, who travels to Denmark and encounters a couple who remind him intensely of his childhood friends Hans Hansen and Ingeborg Holm.

ANSWER: **Tonio Kröger** <Carson>