

ACF Fall 2014: *Nemo auditur propriam derpitudinem allegans*

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Tossups

1. In a novel by an author with this last name, Clara Bowden marries Samad Iqbal's friend Archie Jones. Shortly before a paperweight is destroyed, a fictional character with this last name realizes that he is being watched from behind a painting in a room he rented above Charrington's shop. An author with this last name wrote *On Beauty* and *White Teeth*. A fictional character with this last name falls in love with Julia and is betrayed by O'Brien, who turns out to work for the Thought Police, and he ends the novel in which he appears deciding that he loves Big Brother. For 10 points, identify this last name shared by British author Zadie and *Nineteen Eighty-Four*'s protagonist Winston.
ANSWER: **Smith** [accept Zadie **Smith** or Winston **Smith**]
2. In one of this director's films, a boy cuts his finger while breaking a bottle open only to have the title character heal the cut by licking it. That film by this man is about a girl who accidentally causes a huge imbalance in nature before being transformed into a human by Granmamare. In another of his films, the protagonist's parents gorge themselves at a buffet and turn into pigs. In that film by this director, a masked black shadow called "No-Face" drops lots of gold coins to attract workers before swallowing them, and the protagonist seeks to recover her real name from Yubaba, the owner of a haunted bathhouse. For 10 points, *Ponyo* and *Spirited Away* were directed by what founder of Studio Ghibli, a Japanese director of animated films?
ANSWER: Hayao **Miyazaki** [accept names in either order]
3. This man detailed three ideas on religious behavior, which he termed world-flying mysticism, world-rejecting asceticism, and inner-worldly asceticism, in his book *Economy and Society*. He warned of the descent of society into a "polar night of icy darkness" due to bureaucratic rationalization. In another book, he argued that the state uses charisma, law, or tradition to maintain a "monopoly of the legitimate use of violence". This author of *Politics as a Vocation* warned of the creation of a societal "iron cage". He argued that Calvinism influenced the development of market economies. For 10 points, name this German sociologist who wrote *The Protestant Ethic and the Spirit of Capitalism*.
ANSWER: Max **Weber** [or Karl Emil Maximilian **Weber**]
4. A ship that would have been involved in this event, the *William*, was destroyed en route by a storm. John Hawkes interviewed George RT Hewes, one of its last survivors, while writing a history of it. Prior to this event, Francis Roth attempted to negotiate an exemption with governor Thomas Hutchinson. Former Chancellor of the Exchequer William Dowdeswell urged the repeal of the part of the Townshend Acts that caused this event. Participants in this event were instructed to meet at Faneuil Hall and the Old South Meeting Hall by its leader, Samuel Adams. For 10 points, name this event in which men disguised as Native Americans dumped a certain powder into the Boston harbor.
ANSWER: **Boston Tea Party** [prompt on "Tea Party" until "Boston" is read; accept it thereafter]

5. At one point in this novel, the main character considers drowning his wife in a lake, not knowing that Jean Farlow is watching them. This novel's protagonist has a mother who died in accident tersely described by the parenthetical phrase "picnic, lightning". In this novel, Valeria cheats on the protagonist with a taxi driver. In this novel, a motel at which two characters stay after leaving camp share its name with a play for which the title character auditions in school. That play, "The Enchanted Hunters," was written by Clare Quilty, who is shot by this novel's protagonist. For 10 points, identify this novel, the journal of Humbert Humbert's obsession with the title "nymphet," written by Vladimir Nabokov.

ANSWER: **Lolita**

6. In Zoroastrianism, the name for this concept means "excellent" or "making wonderful," and it is facilitated by the actions of the saoshyant. In Christianity, the preterist view of this concept holds that the events Jesus described in his Olivet discourse had already occurred. The Frashokereti is the Zoroastrian version of this concept, which is the subject of the field of eschatology. The Aztecs believed that offering human sacrifices to the sun could delay this event for fifty-two years. This event includes the opening of seven seals and the appearance of four horsemen, as described in the Book of Revelation. For 10 points, name this kind of religious event that marks the end of history.

ANSWER: the **end of the world** [or the **apocalypse**, or equivalents to apocalypse like "**Last Judgment**"; or the **end of an Aztec calendar cycle**, or word forms; or the **Frashokereti** until it is read; prompt on "eschatology" until it is read]

7. This non-CO₂ chemical was used as a solvent in the Roselius process, used to make decaffeinated coffee. This compound is the simplest one that can be detected using chloroform and an aluminum chloride catalyst. Sodium and ethanol in liquid ammonia help reduce this compound into 1,4 cyclo-hexadiene in the Birch reduction. A strong Lewis acid catalyst is needed to acylate or alkylate this molecule in the simplest Friedel–Crafts reactions. The structure of this chemical was once proposed to consist of alternating single and double carbon–carbon bonds, and was suggested by August Kekulé. For 10 points, name this aromatic hydrocarbon with formula C₆H₆.

ANSWER: **benzene** [accept **C₆H₆** before it is read]

8. This dynasty was opposed by a husband-and-wife team of freedom fighters named Banu and Babak Khorramdin. This dynasty established the Mihna inquisition to persecute followers of the Mutazilite heresy. Turkish chieftains fought for control of this dynasty during the Anarchy at Samarra, and it was once dominated by viziers from the Barmakid family. The last ruler of this dynasty was either starved to death in his treasure room or rolled up in a carpet and trampled by horses. The creator of algebra worked at this dynasty's House of Wisdom, which was destroyed when Hulagu Khan sacked its capital of Baghdad. For 10 points, name this caliphate that succeeded the Umayyads.

ANSWER: **Abbasid** Caliphate [or al-Khilafah al-'**Abbasiyyah**]

9. In a painting by this artist, a man leans on a broken barrel with his left arm and waves a white rag. This artist painted a woman with a gambling mania and a kleptomaniac as part of his series of portraits of the mental patients of Étienne-Jean Georget. This artist made several studies at a morgue in preparation for his most famous work. He painted a Napoleonic cavalryman sitting on a leopard skin and facing backwards on a rearing horse in *The Charging Chasseur*. This artist included an African man waving a red handkerchief at the top of a crowded 1819 painting that depicts the survivors of a shipwreck. For 10 points, name this French Romantic painter of *The Raft of the Medusa*.

ANSWER: [Jean-Louis André] Théodore **Géricault**

10. These objects are the fibers in the Hopf fibration of a four-dimensional sphere. The fundamental group of these objects is isomorphic to the integers under addition. Descartes' theorem gives a quadratic relation between the sizes of four of these objects. A torus is the Cartesian product of two of these entities. Calculus of variations can prove that these shapes enclose the maximal area for a given perimeter. An ellipse is one of these figures if its eccentricity is zero, which implies that these figures have equal major and minor axes. For 10 points, identify these two-dimensional figures which are the set of all points located exactly a certain distance from another one, whose area equals πr^2 .

ANSWER: **circles**

11. This artist included the Barberini coat of arms on the plinths underneath the four Solomonic columns supporting one of his works. One of his marble sculptures shows Pluto's fingers digging into Proserpina's thigh during her abduction. Another of his sculptures depicts a reclining god holding a huge oar and another sitting on a pile of coins, both surrounding a massive obelisk. This artist created a bronze *baldacchino* for St. Peter's as well as the square outside of it. In one of his sculptures, an angel directs a spear at the title saint, highlighted by bronze "rays" in the background. For 10 points, name this sculptor of the *Fountain of the Four Rivers* and *The Ecstasy of St. Theresa*.

ANSWER: Gian Lorenzo **Bernini**

12. The Oren-Nayar model of this phenomenon improves on another model which predicts that luminance is angle-independent; that latter model by Lambert attempts to describe this phenomenon's diffuse form. The transmission coefficient gives the fraction of particles undergoing tunneling instead of undergoing this process. Signals propagate through a fiber optic cable using a type of this phenomenon. When the angle of light striking a boundary is greater than the critical angle, the total internal type of it occurs. For 10 points, identify this phenomenon whose namesake law says that the angle of incidence equals the angle of it, commonly exhibited by mirrors.

ANSWER: **reflection** [accept more specific answers, like diffuse **reflection** or total internal **reflection**]

13. In an account of this king's rule, Orderic Vitalis claimed that he confessed to being a "barbarous murderer" on his deathbed. At the Trial of Penenden Heath, this king ordered the investigation of Lanfranc's claims that Odo of Bayeux had stolen lands from the church. He commissioned the Battle Abbey and led a brutal campaign against Northern territories, called the Harrying of the North. This king won a battle fought near Senlac Hill that took place shortly after the loser's victory at the Battle of Stamford Bridge. This man ordered a census of his lands compiled in the Domesday Book. For 10 points, name this king who won the Battle of Hastings and became England's first Norman king.

ANSWER: **William** the **Conqueror** [or **William I**; or **William** the **Bastard**; prompt on William]

14. This thinker designed a system for first order logic in which quantified variables are omitted, which he dubbed "predicate functor logic." He described how a scientist can learn to speak the "jungle" language by observing natives do things like say "gavagai" while pointing at a rabbit. This man wrote an essay criticizing Rudolf Carnap's attempts to create a sense-datum language. This philosopher defined his idea of the indeterminacy of translation in his book *Word and Object*. That essay defined the ideas of reductionism and the analytic-synthetic distinction as the title concepts that the logical positivists believed in. For 10 points, name this author of the essay "Two Dogmas of Empiricism".

ANSWER: Willard Van Orman **Quine**

15. This author wrote a play featuring a lullaby about a horse with injured legs that went to a river but refused to drink the water and died of thirst. In that play by this author, three woodcutters discuss how a pair of lovers will be caught when the moon comes out. In another play by this man, Martirio falsely claims that Pepe Romano had been killed, prompting his lover Adela to hang herself. This man wrote a play in which Leonardo Felix and "the Groom" kill each other out of love for "the Bride". Three of his plays are often grouped as the "Rural Trilogy," including his play *Yerma*. For 10 points, name this Spanish playwright of *Blood Wedding* and *The House of Bernarda Alba*.

ANSWER: Federico Garcia **Lorca**

16. Sobek used a fish trap to retrieve some of these body parts belonging to Horus after Isis threw them into a river. After a failed assassination attempt on Lars Porsena, Gaius Mucius burned one of these body parts to prove his dedication. In Irish mythology, Nuada Airgetlam is unfit to be king of the Tuatha De Danaan because he lacks one of these body parts. After the Norse gods bound Fenrir with Gleipnir, Fenrir bit off one of these body parts belonging to the war god Tyr. In Greek myth, the brothers of the Cyclopes, the Hecatonchires, had one hundred of these body parts. For 10 points, name these appendages on which Thor wore Jarngreipr, a set of gloves.

ANSWER: **hands** [accept left **hand** or right **hand**; prompt on "fingers"]

17. This composer wrote a C-major piano fantasy in four linked movements, all based on repeated chords with a "LONG-short-short" rhythm. This composer's late works include his enormously long C-major quintet with two cellos. His ninth and last symphony begins with two horns in unison, and is often nicknamed "The Great C Major." This composer often used his lieder as the basis for instrumental works like the "Wanderer" Fantasy, an A-Major piano quintet that unusually substitutes a double bass for a second violin, and the "Death and the Maiden" Quartet. For 10 points, name this German early Romantic composer of the "Trout" Quintet and the "Unfinished" Symphony.

ANSWER: Franz [Peter] **Schubert**

18. A form of this disease particularly prevalent in the United Kingdom is caused by the G551D mutation and can be treated with Ivacaftor. Male sufferers of this disease are typically infertile because this disease results in the congenital absence of the vas deferens. In patients with this disease, a missing phenylalanine molecule caused by a deletion at the 508th residue results in a misfolded CFTR protein, which fails to conduct chloride ions across the cell membrane. This disease causes a blockage of ducts in the pancreas and patients suffering from this disease have salty sweat. For 10 points, name this disease in which an accumulation of thick mucus causes frequent lung infections.

ANSWER: **cystic fibrosis** [or **CF**; or **mucoviscidosis**]

19. One literary character with this name uses the proverb "living fire begets cold impotent ash" to describe his father. A character with this surname works for the Scholarship Board of the Civil Service before finding out that his lover is an *osu*, or outcast. That character with this name attempts to convince Clara to marry him while trying to pay for her abortion after getting a scholarship from the Umuofia Progressive Union. A character with this name kills a messenger and commits suicide before the District Commissioner arrives; that champion wrestler also kills Ikemefuna. For 10 points, give this surname of Obi in *No Longer at Ease* and only name of his grandfather, the main character of *Things Fall Apart*.

ANSWER: **Okonkwo** [or Obi **Okonkwo**]

20. This politician gained popularity after refusing to take cover during a riot at a Baptist Day parade. This man declared "there's no place for the state in the bedrooms of the nation" in reference to a bill he proposed that legalized homosexuality. When accused of mouthing profanity in the House, he unconvincingly claimed to have said "fuddle duddle." He was opposed by the Gang of Eight in his attempts to pass the Charter of Rights and Freedoms and to achieve Patriation. This leader invoked the War Measures Act after James Cross and Pierre Laporte were kidnapped by the FLQ during the October Crisis. For 10 points, name this French speaking, liberal Prime Minister of Canada who served in the 1970s.

ANSWER: Pierre **Trudeau**

Extras

This state contains the northern terminus of a "Grand Staircase" of exposed sedimentary rock layers. One national park in this state contains sandstone structures like the pillar "Dark Angel" and "Delicate Arch." Another national park in this state is home to Kolob and Zion canyons. This state was once covered by a prehistoric pluvial lake, which gives its name to this state's massive Bonneville salt flats. It contains the southern part of the Wasatch Range and the northern part of Glen Canyon and Lake Powell. This state is home to Bryce Canyon National Park, as well as the largest endorheic lake in the Western Hemisphere. For 10 points, name this state that contains the Great Salt Lake.

ANSWER: **Utah**

In this novel, a man who was tasked with locating Sibeko's daughter organizes his congregation to send a wreath to a recently widowed man, who had earlier sent a gift of milk to a village. In this novel, two politicians named Tomlinson and Dubula envy the powerful speechmaking ability of the protagonist's younger brother John. This novel's protagonist is offered "*pro deo*" attorney services by Mr. Carmichael. While journeying to watch the sun rise on a mountain, this novel's main character meets James Jarvis, whose son Arthur had been murdered. For 10 points, name this novel in which the priest Stephen Kumalo searches for his son Absalom, written by South African author Alan Paton.

ANSWER: ***Cry, the Beloved Country***

Bonuses

1. A patient who could only say the syllable “tan” was found to have a lesion in this area of the brain. For 10 points each:
[10] Identify this region of the frontal lobe associated with speech production. Patients with problems in this area of the brain are able to fully comprehend speech, unlike those with problems in Wernicke’s area.
ANSWER: **Broca’s area**
[10] Because Broca’s and Wernicke’s areas are usually located in the left brain, a patient who had this structure severed could not say what he saw with his left eye. This structure connects the two hemispheres of the brain.
ANSWER: **corpus callosum**
[10] Wernicke’s area is partially located in the temporal lobe, which processes signals produced by this sense. In humans, damage to hair cells in the cochlea leads to a decrease in the acuity of this sense.
ANSWER: **hearing** [or **audition**]
2. Answer these following about practices introduced in Greek mythology, for 10 points each.
[10] A chariot pulled by serpents helped Triptolemus travel around educating Greeks about this practice, which was the domain of Demeter.
ANSWER: **agriculture** [or **farming**; or **cultivation**]
[10] This man was said to have introduced beekeeping to ancient Greece. When his bees were dying, the gods instructed him to leave out cattle carcasses, in which he later found hives of healthy bees.
ANSWER: **Aristaeus**
[10] Oeneus, a ruler of this city, introduced winemaking to parts of Greece. When Oeneus forgot to sacrifice to Artemis, Artemis sent a huge boar to this city that only Atalanta and Meleager could wound and kill.
ANSWER: **Calydon** [accept “**Calydonian** Boar (Hunt)”]; do not accept “Calydonia”]
3. These artworks usually depict a circle within a square with four “gates.” For 10 points each:
[10] Name these artworks of Hinduism and Buddhism. As a form of meditation, Tibetan Buddhist monks create these out of sand over the course of many days or weeks, and then destroy them as soon as they are finished.
ANSWER: **mandala**
[10] This good luck symbol often shows up in Hindu and Buddhist art. Unfortunately, this symbol is more recognizable in reverse from its appearances as an emblem of Nazi Germany.
ANSWER: **swastika** [or **manji**; or **wan**]
[10] This Indonesian island is the site of the enormous Hindu and Buddhist temples Prambanan and Borobudur, both of which are over a thousand years old.
ANSWER: **Java** [or **Jawa**]

4. The formulator of this thought experiment used the claim that syntax itself is not sufficient for semantics to conclude that “programs are neither constitutive of nor sufficient for minds”. For 10 points each:
[10] Name this thought experiment in which a man using a manual for manipulating a set of symbols can conduct a conversation despite not understanding any of its meaning. It was proposed by John Searle.
ANSWER: the **Chinese room** thought experiment
[10] Searle defined the idea that a computer could be programmed to meaningfully understand dialog as the “strong” form of this concept, which can be described as the ability of machines to think.
ANSWER: **artificial intelligence** [or **AI**]
[10] Searle’s argument claims that a machine like the Chinese room could pass this test that compares computer and human responses in a conversation. It is named for the British computer scientist who described it.
ANSWER: **Turing** test [accept: Alan **Turing**]
5. Johann Patkul helped instigate this war after losing his land to the Reduction policy. For 10 points each;
[10] Name this war, ended by the Treaty of Nystad, in which Sweden under Charles XII was defeated by Peter the Great.
ANSWER: the **Great Northern War**
[10] The Russians under Alexander Menshikov won this 1709 battle near the namesake Ukrainian city. Fleeing Swedish troops under Adam Lewenhaupt surrendered at Perevolochna shortly after this battle.
ANSWER: Battle of **Poltava**
[10] This man deserted the Russians and joined Sweden for the Battle of Poltava after learning that Peter wanted to depose him as Hetman of the Ukrainian Cossacks.
ANSWER: Ivan **Mazeppa**
6. In this story, Tajomaru claims that the woman he raped asked him to either kill her husband or himself. For 10 points each:
[10] Name this short story in which conflicting testimonies on the murder of a samurai are given by witnesses like a monk, the samurai’s wife, and the samurai himself as he is channeled by a medium.
ANSWER: “**In a Grove**” [or “**Yabu no Naka**”]
[10] “In a Grove” was written by this Japanese author, whose other short stories include “Yam Gruel” and “The Spider’s Thread”. He lends his name to Japan’s most prestigious literary award.
ANSWER: Ryunosuke **Akutagawa** [or **Akutagawa** Ryunosuke]
[10] Akutagawa’s story “*The Spider’s Tale*”, which is about a sinner who is given a chance at redemption because he once saved the life of a spider, is based on a parable told in this Russian author’s novel *The Brothers Karamazov*.
ANSWER: Fyodor Mikhailovich **Dostoyevsky**

7. One of these objects is found in the Hulse-Taylor binary system. For 10 points each:
[10] Identify these neutron stars, which emit a beam of radiation in one direction. Their rotation is incredibly regular.
ANSWER: **pulsars**
[10] Loss of energy in the Hulse-Taylor system provided indirect evidence for the existence of these phenomena, first predicted as a result of general relativity. LIGO looks for them.
ANSWER: **gravity waves** [or **gravitational radiation**]
[10] Soft gamma repeaters are almost certainly this type of star, a pulsar with an incredibly strong magnetic field. Scientists aren't sure what causes their anti-glitches.
ANSWER: **magnetar**
8. This organization took its name from the leader of the Lenape tribe. For 10 points each:
[10] Name this political machine based in New York City, which was once led by Boss Tweed.
ANSWER: **Tammany Hall** [or **Society of St. Tammany** or **Columbian Order**]
[10] This political machine, whose members included Jacksonian Democrats and Hunkers, was based in a different city in New York. It originated from the Bucktail faction of the Democratic Party, which opposed the Erie Canal.
ANSWER: **Albany Regency**
[10] Several members of the Albany Regency received positions in the federal government after this "Little Magician" was elected President. The policies of his predecessor caused the Panic of 1837 during his term.
ANSWER: Martin **Van Buren**
9. This composer's two *Romances* for violin and orchestra were attempts to write a slow movement for his violin concerto. For 10 points each:
[10] Name this deaf German composer of a *Fantasy* for piano, chorus, and orchestra, as well as the *Eroica* and *Pastoral* symphonies. He set Schiller's *Ode to Joy* in the last movement of his ninth symphony.
ANSWER: Ludwig van **Beethoven**
[10] Beethoven wrote five of these pieces, the G-major fourth one of which unusually begins with the soloist, not the orchestra. His fifth one of these pieces is an E-flat-major work nicknamed "Emperor."
ANSWER: **piano concertos** [accept the plural form "concerti"]
[10] Besides his violin concerto and his five piano concerti, Beethoven also wrote a concerto for this unusual group of instruments. His other works for this group include one nicknamed "Ghost."
ANSWER: **piano trio** [or **piano, violin,** and **viola/cello** (in any order); accept **Concerto** in C Major for **Violin, Cello, and Piano**, *Opus 56* or **Triple Concerto** or obvious equivalents]

10. This country's ports include Rijeka and Split. For 10 points each:
- [10] Name this former Yugoslav country that surrounds Bosnia and Herzegovina to the north and west.
ANSWER: Republic of **Croatia** [or Republika **Hrvatska**]
- [10] This Croatian seaport city was the capital of the Republic of Ragusa. Although it was once an incredibly well-preserved medieval city, it suffered massive damage in a 1991 siege by the Yugoslav People's Army.
ANSWER: **Dubrovnik**
- [10] Dubrovnik, Split, and Rijeka all lie on this arm of the Mediterranean that separates Italy from the Balkans. The Strait of Otranto separates this sea from the Ionian.
ANSWER: **Adriatic** Sea
11. The protagonist of this novel repeatedly attempts to join Napoleon's forces and finally succeeds at the Battle of Waterloo. For 10 points each:
- [10] Identify this novel that centers on Fabrizio del Dongo and tells of his aunt Gina's interactions with Count Mosca.
ANSWER: *The **Charterhouse of Parma*** [or *La **Chartreuse de Parme***]
- [10] *The Charterhouse of Parma* was written by this French novelist of *The Red and the Black*.
ANSWER: **Stendhal** [or Marie-Henri **Beyle**]
- [10] This protagonist of *The Red and the Black* also obsesses over Napoleon. This character becomes romantically involved with Mathilde de la Mole.
ANSWER: **Julien Sorel** [accept either underlined portion]
12. The magnitude of this force can be measured with a tribometer. For 10 points each:
- [10] Name this force that opposes motion and comes in static and kinetic varieties.
ANSWER: **frictional** force
- [10] At the point of slipping, the frictional force on a body is proportional to this force. That is, friction is equal to μ times this force.
ANSWER: **normal** force [or **F-sub-n**]
- [10] Experiments with graphite have found that when two layers are aligned properly, this phenomenon can occur. This regime of extremely low friction is entered when the parameter ν in the Tomlinson model is below 1.
ANSWER: **superlubricity** [accept word forms]
13. The "grim trigger" strategy for this situation calls for cooperation until the other player defects for the first time, after which the first player defects for every other iteration. For 10 points each:
- [10] Name this scenario, proposed by RAND corporation researchers Merrill Flood and Melvin Dresher, in which two people can choose to stay silent or betray each other in hopes of decreasing their sentences.
ANSWER: **prisoner's dilemma**
- [10] John von Neumann and Oskar Morgenstern founded this field with an influential 1944 book. The prisoner's dilemma is a classic scenario in this field that models decision making in competitive activities.
ANSWER: **game theory**
- [10] Anatol Rapoport came up with this winning strategy for iterated versions of prisoner's dilemma. It calls for doing exactly what the other side did in the previous iteration.
ANSWER: **tit for tat** strategy

14. At the end of this novel, the protagonist imitates a police siren after escaping from a riot at a movie premier. For 10 points each:

[10] Name this novel set in Hollywood which features Homer Simpson, Faye Greener, and the set painter Tod Hackett.

ANSWER: **Day of the Locust**

[10] This American author wrote *Day of the Locust*, as well as a novel about a depressed man who writes the *Miss Lonelyhearts* newspaper column.

ANSWER: Nathanael **West** [or Nathan **Weinstein**]

[10] In *Day of the Locust*, Tod is working on a painting of one of these events consuming Los Angeles. John Dryden's *Annus Mirabilis* describes one of these events that destroyed St. Paul's Cathedral in London.

ANSWER: **fire** [or **burning**; or obvious equivalents]

15. During an attempted coup against this man, the Air Force killed hundreds by bombing the Plaza de Mayo. For 10 points each:

[10] Name this leader who was supported by the Descamisados and was represented during the Rainbow Tour by his popular wife, Evita.

ANSWER: Juan Domingo **Peron**

[10] Peron was the president of this South American country, whose current president is Cristina Kirchner.

ANSWER: **Argentina** [or **Argentine Republic**; or Republica **Argentina**]

[10] At one of these places, right wing Peronists opened fire on left-wing Peronists in the Ezeiza massacre. A raid codenamed Operation Thunderbolt and led by Yonatan Netanyahu targeted another of these places.

ANSWER: international **airports** [or obvious equivalents like **airfields**]

16. On the right side of one painting by this man, two aristocrats examine a painting filled with nudes, while a painting of Louis XIV is being stowed away in a box on the left. For 10 points each:

[10] Identify this French artist of *The Shop Sign of Gersaint* who depicted a Pierrot in baggy white clothing calmly looking at the viewer in his *Gilles*.

ANSWER: Jean-Antoine **Watteau** ["vah-TOH"; though phonetic readings are fine too]

[10] Jean-Antoine Watteau is often considered the first major artist of this movement. It is exemplified by paintings like Fragonard's *The Swing*, which have frivolous subjects, use pastel colors, and are full of ornamental details.

ANSWER: **Rococo**

[10] This other Rococo painter depicted the title goddess being attended to by cherubs in *The Toilet of Venus*. His odalisques, which were often very racy, contrast with his dignified portraits of Madame de Pompadour.

ANSWER: François **Boucher**

17. The poet Tyrtaeus celebrated this city's enslavement of the people of Messenia. For 10 points each:
[10] Name this militaristic Greek city state, a rival of Athens. A king of this city, Leonidas, led forces at the Battle of Thermopylae.
ANSWER: **Sparta**
[10] Spartan slaves were known by this name. These people could become semi-free *mothakes* by undergoing the *agoge* education system.
ANSWER: **helots**
[10] Sparta also maintained this secret police, which could randomly hunt and murder the helot population without repercussions.
ANSWER: the **Krypteia**
18. For liquids, this quantity can be compared to a Lewis-Randall or Henry ideal solution reference state. For 10 points each:
[10] Name this quantity that measures a gas's propensity to escape from a container or expand within one.
ANSWER: **fugacity**
[10] The fugacity of a gas can be calculated by multiplying the fugacity coefficient by this value. In the ideal gas equation, the value of the ideal gas constant is roughly .0821 if this value is measured in atmospheres.
ANSWER: **pressure**
[10] Fugacity is sometimes calculated with gases approximated by this equation of state, a modification of the ideal gas law that introduces the parameters "a" and "b" to correct for volume and intermolecular attraction.
ANSWER: **van der Waals** equation
19. This poem references a "garland briefer than a girl's" that is placed "round that early-laurelled head." For 10 points each:
[10] Name this poem which begins with the speaker reminiscing how "The time you won your town the race / We chaired you through the market-place."
ANSWER: **"To an Athlete Dying Young"** [or Poem **XIX**]
[10] This poet included his "To an Athlete Dying Young" along with such poems as "When I was one-and-twenty" in his collection *A Shropshire Lad*.
ANSWER: Alfred Edward **Housman**
[10] This other poem from *A Shropshire Lad* ends by discussing Mithridates' attempts to not be poisoned. In this poem, Housman justifies "moping melancholy" verse, as "malt does more than Milton can / to justify God's ways to man."
ANSWER: **"Terence, this is Stupid Stuff"** [or Poem **LXII**]

20. The 2014 epidemic of this disease has led to the institution of a cordon sanitaire in August leading to a quarantine of West Point, Monrovia. For 10 points each:

[10] Name this disease, symptoms of which include severe vomiting and diarrhea. The 2014 epidemic of this disease has seen thousands of reported cases and economic damage in Liberia, Sierra Leone, and Guinea.

ANSWER: **Ebola** virus disease [or **Ebola** hemorrhagic disease]

[10] In early August 2014, this United Nations health agency declared the ebola outbreak a Public Health Emergency of International Concern.

ANSWER: **WHO** [or **World Health Organization**]

[10] Two Americans infected with Ebola, Dr. Kent Brantly and Nancy Writebol, were treated with this experimental monoclonal antibody drug, which the World Health Organization later endorsed, despite a lack of data.

ANSWER: **ZMapp**

Extra

This text was compiled in the *Gurmukhi* script by Guru Arjan. For 10 points each:

[10] Name this book that is divided into numerous *shabad*, the first of which is a "chief verse" called the *Mul Mantar*. This text is regarded as the current and eternal Guru, after the ten human Gurus that preceded it.

ANSWER: Guru **Granth** Sahib [or Adi **Granth**]

[10] The Guru Granth Sahib is the central text of this South Asian religion that originated in the Punjab region. Male followers of this religion must wear turbans and adopt the surname "Singh."

ANSWER: **Sikhism**

[10] Tradition holds that this man disappeared in the Bain River for three days before returning to his village and declaring that there is neither Hindu nor Muslim. The *Mul Mantar* was written by this first Guru of Sikhism.

ANSWER: Guru **Nanak**