

ACF Fall 2014: *Nemo auditur propriam derpitudinem allegans*

Packet by University of Illinois, Urbana Champaign B (Chinmay Kansara and Alex Pandya) and UC Berkeley B (John Gleb, Aseem Keyal, Michael Ling, James Wang)

Edited by Jordan Brownstein, Jacob Reed, Max Schindler, Richard Yu, and Ben Zhang

Head-editing by Gautam Kandlikar and Gaurav Kandlikar

Tossups

1. This location was where a statement claiming that a man was "30% right and 70% wrong" was displayed. In this place, "dare-to-die brigades" were formed by members of the Workers' Autonomous Federation. Events in this place prompted a call to turn "grief into strength" in the April 26th Editorial. The Seven Demands were issued in this place, where a 33-foot foam statue of a goddess was erected. A march at the funeral of Hu Yaobang ended in this place. Jeff Widener photographed a man in this place carrying two shopping bags and standing in front of a column of tanks. For 10 points, name this place where students protested Deng Xiaoping's government in 1989, a large open space in Beijing.
ANSWER: **Tiananmen** Square [prompt on "Beijing" or "Peking"]
2. This tissue names a type of fin found on some fish between the dorsal and caudal fins. Some types of this tissue contain mitochondria with a unique uncoupling protein that initiates an oxidative phosphorylation reaction to produce heat instead of ATP. Yellow bone marrow consists mainly of cells from this tissue. Ob/ob ["o-b o-b"] mice contain greater amounts of this tissue because of their inability to secrete leptin, which these cells produce to suppress hunger. To help with nonshivering thermogenesis, human infants have a form of this tissue with many mitochondria that give it a brown color. For 10 points, name this tissue that stores energy in the form of lipids.
ANSWER: **fat** [or **adipose** tissue; or **adipocytes**]
3. This is the language of a novel about a trial in which Eve admits that the judge, Adam, caused the shattering of the title object. A book of folk songs in this language is titled for a "boy's magic horn." This language of the novel *The Broken Jug* was used for a novel in which the Captain uses a double displacement reaction to describe his romantic affairs. In a novel in this language, a character asks the husband of his unrequited love for two pistols, and is buried under a linden tree after killing himself. The "storm and stress" movement of this language produced works like *The Sorrows of Young Werther*. For 10 points, name this language used by Johann Wolfgang von Goethe.
ANSWER: **German** [or **Deutsch**]
4. A ruler of this city had his concubines burnt alive after they supposedly tricked him into kicking his wife down the stairs, and that tyrant also built a paved track called the diolkos. A war fought around this city was ended by the intervention of Artaxerxes II and the Treaty of Antalcidas. A type of bronze named for this city was apocryphally created by the melting of metals when Lucius Mummius destroyed this city, which was the capital of the Achaean league. This city also names a league created after the Battle of Chaeronea by Philip II and an ornate architectural style that followed the Doric and the Ionian. For 10 points, name Ancient Greek city located on an isthmus.
ANSWER: **Corinth** [or **Korinthos**]

5. A landmark in this state features a tree stump that is over a hundred years old and is thus known as the Old Man of the Lake. That landmark in this state includes features like Phantom Ship and is found in the caldera of Mount Mazama. This state's most populous region is located north of the Calapooya Mountains and east of another range that contains volcanoes like the Three Sisters and Mount Hood. This state also contains the deepest lake in the United States, Crater Lake. Most of this state's northern border is along the Columbia River. For 10 points, name this Pacific Northwest state that contains the Willamette valley and is thus home to cities like Eugene, Salem, and Portland.

ANSWER: **Oregon**

6. This artist pioneered the use of abstract forms in a series of depictions of clouds called *Equivalents*. This artist and collaborated on exhibitions of Matisse, Cezanne, and Picasso at Gallery 291 with Edward Steichen. He created two depictions of urban horse-drawn carriages in the snow, titled *Winter, Fifth Avenue* and *The Terminal*. One of his works uses a white gangway bridge to separate the upper- and lower- class sections of a ship going back to Germany from New York City. From 1903 to 1917, this artist published the magazine *Camera Work*. For 10 points, name this American Photo-Secessionist photographer of *The Steerage*, who was also the husband of Georgia O'Keeffe.

ANSWER: Alfred **Stieglitz**

7. One character played by this actor suggests "network connectivity problems" as a diagnosis after typing the symptoms of the show's protagonist onto a computer. That character played by this actor breaks his legs by drunkenly falling into a pit, leading his girlfriend to angrily demand that the pit be filled in. He played a character who dances to "Come and Get Your Love" while stealing an orb and teams up with Drax the Destroyer, Gamora, Rocket Raccoon, and Groot to retrieve an infinity stone from the evil Ronan the Accuser. For 10 points, name this actor who plays Andy Dwyer on *Parks and Recreation* and portrayed Starlord in *Guardians of the Galaxy*.

ANSWER: Chris **Pratt**

8. While being driven to lunch, this character is shown a war medal from Montenegro and a picture of cricket players, convincing him that another man's story is true. This character's lawn is mowed by his neighbor's gardener when he fails to tend to it. This character recalls his father telling him to remember that "all the people in this world haven't had the advantages that" he had in his "younger and more vulnerable years." This character meets the title character of the novel in which he appears shortly after moving to West Egg; that title character is this man's wealthy neighbor who loves Daisy Buchanan. For 10 points, identify this narrator of F. Scott Fitzgerald's *The Great Gatsby*.

ANSWER: **Nick Carraway** [accept either name]

9. Collisions reduce the magnitude of one result caused by this phenomenon in the Dicke Effect. Observations of small changes in this phenomenon are likely evidence of the existence of an exoplanet. A star's temperature can be estimated thanks to this effect's widening of spectral lines. For light, this phenomenon causes a fractional change equal to the difference in two velocities divided by c . Depending on which direction a star is moving, this effect can cause either redshift or blueshift. For 10 points, identify this phenomenon in which an observer's motion relative to the source of a wave causes shifts in its perceived frequency, which is used in a certain type of weather radar.

ANSWER: **Doppler** effect/shift

10. This man's government allowed the establishment of Catholic schools with the Falloux law. He was supported financially by his mistress Harriet Howard after disguising himself as a mason and escaping life imprisonment in the fortress of Ham. This leader secretly signed the Treaty of Villafranca, thus abrogating his promise to aid Piedmontese forces in the Treaty of Plombières. The streets of this ruler's capital were made harder to barricade by the renovations of Baron Haussmann. This man lost a war that was instigated by the Ems dispatch and that ended with his capture at Sedan. For 10 points, name this president and last emperor of France, the nephew of an emperor who lost at Waterloo.

ANSWER: **Napoleon III** [or **Louis-Napoleon** Bonaparte; prompt on "Napoleon"]

11. This artist created a mock-Nativity with three scientists in the background and Joseph vaccinating the baby Jesus. That painting by this artist is part of a work that also includes several massive fists coming out of a mountain. The center of his most famous work shows a person at the intersection of two cosmic ellipses controlling machinery, in front of which appears a giant hand holding an orb. After that work by this artist was taken down by Nelson Rockefeller because of its depiction of Vladimir Lenin, it was recreated as *Man, Controller of the Universe*. For 10 points, name this Mexican muralist who created *Detroit Industry* and *Man at the Crossroads*.

ANSWER: Diego **Rivera**

12. In this text, a man from Chalcedon sweats profusely and blushes when he is forced to admit that musicians and doctors do not try to be more than their professions. This work describes a myth in which a rainbow called the "spindle of necessity" is seen by a dead man named Er. Segments of an unevenly-divided line are used in this text to represent the visible and intelligible worlds. A passage of this dialogue comparing the sun to the Form of the Good precedes another passage in which prisoners are forced to interpret shadows cast by a fire on a wall. For 10 points, name this Platonic dialogue that includes the Allegories of the Sun and of the Cave.

ANSWER: **Republic** [or **Politeia**]

13. Mixing DMAD and quadricyclane as suspensions in this substance results in a higher yield for a cycloaddition reaction than dissolving them in toluene. Because this substance has a high cohesive energy density and has a higher internal pressure than the reagents of the Diels-Alder reaction, the reaction occurs faster in the presence of this substance. It's not protons or electrons, but balancing redox reaction equations in acidic conditions often involves adding multiple moles of this molecule to either side. Arrhenius acids and bases are defined by their interactions with this substance, which is formed when hydrogen combusts. For 10 points, name this universal solvent with the formula H_2O .

ANSWER: **water** [or **H₂O** until it is read; or **dihydrogen monoxide**; or **DHMO**]

14. James Madison vetoed a bill introduced by this man that would have allowed the Second Bank of the United States to fund internal improvements. As a Secretary of State under John Tyler, this man resolved the Oregon Boundary Dispute, and he created the Bureau of Indian Affairs while Secretary of War under James Monroe. His wife Floride led an effort to snub John O'Neale's wife in the Peggy Eaton affair, which led to an overhaul of the Cabinet and the creation of the Kitchen Cabinet. This man wrote an "Exposition and Protest" in response to the 1828 Tariff of Abominations. For 10 points, name this South Carolina politician who resigned as Vice President under Andrew Jackson.

ANSWER: John C. **Calhoun** [or John Caldwell **Calhoun**]

15. A villain in this poem disguises himself as a mendicant asking for alms to trick a woman into crossing a magical protective boundary. A retelling of this story with a title referring to a "lake of deeds" was written by Tulsidas. The aforementioned woman is later raised from a fire unscathed as a proof of her purity. This work's protagonist goes into exile when Kaikeyi ["Kai-kuh-yee"] demands that Bharata succeed Dasaratha ["Dush-uh-ruh-tha"] as king of Ayodhya. Sugreeva and Lakshmana help the protagonist lead an army to Lanka to defeat the demon king Ravana, who had kidnapped the hero's wife. For 10 points, name this ancient Indian epic by Valmiki, about a hero who rescues his wife Sita.
ANSWER: the **Ramayana** [or **Ramayanam**; or **Ramayan**]

16. A poem written in response to this poem mentions the trees at Ecbatan, the gate at Kermanshah, and Palmyra's street. That response to this poem imagines lying "face downward in the sun" and feeling "the shadow of the night" come on. This poem states that "The grave's a fine and private place" and suggests "Let us roll all our strength and all / Our sweetness up into one ball." Archibald MacLeish wrote a poem addressed to this poem's author. In this poem, the speaker would wait until "the conversion of the Jews," but hears "Time's winged chariot hurrying near." For 10 points, name this poem that begins "Had we but world enough and time" and was written by Andrew Marvell.
ANSWER: "**To His Coy Mistress**"

17. A book written by this man proposed that when infants feel pain, the appearance of their world "changes from sunniness to darkness" and he distinguished between parents' role as protectors and as providers of food and care. He asserted that people who are afraid of success suffer from a "Jonah complex". He compiled a list of positive characteristics he termed Being-values that are required to exhibit Being-cognition. This psychologist's most famous idea was proposed in the book *A Theory of Human Motivation*. He created a pyramid that places physiological requirements below self-actualization. For 10 points, name this humanist psychologist who formulated a hierarchy of needs.
ANSWER: Abraham Harold **Maslow**

18. Part of this man's body was removed during his autopsy by Thomas Stoltz Harvey. He was offered the presidency of Israel after the 1952 death of Chaim Weizmann. This man signed a letter Leo Szilard wrote to FDR advising the United States to research atomic bombs. This man and Niels Bohr had a series of debates about quantum mechanics. Edward Hubble's evidence that the universe was indeed expanding caused this physicist to temporarily abandon his idea of the cosmological constant. This man published his "Annus Mirabilis" papers while working in a patent office in Bern. For 10 points, name this physicist who developed relativity and proposed that "E equals m c-squared".
ANSWER: Albert **Einstein**

19. One of this composer's choral works includes roles for the Angel of Agony and the Soul's Angel. That choral work by this composer begins with the prayer "Jesu, Maria—I am near to death". Jacqueline du Pré made the definitive recording of this composer's last major work, his cello concerto in E Minor. In another work, he used woodwinds to depict the stutter of "Dorabella." The sections of that work by this composer are cryptically dedicated to people like the composer's wife, Alice, and his friend, August Jaeger. For 10 points, name this English composer who set a Cardinal Newman poem in his oratorio *The Dream of Gerontius* and included "Nimrod" in his *Enigma Variations*.
ANSWER: Edward William **Elgar**

20. Adherents of this religion eat foods like fish wrapped in banana leaves and meat with potato chips on its "day of penitence," called Pateti. People entering this religion's afterlife must cross a bridge which can broaden or narrow itself depending on whether that person deserves to go to heaven. Young men in this religion undergo a ceremony in which they are given two sacred items of clothing, the *sudreh* and the *kushti*. The Navjote ceremony is practiced in this religion. This religion's followers place their dead in open-topped "towers of silence" and worship at fire temples. For 10 points, name this dualistic Persian religion that promotes the worship of Ahura Mazda.

ANSWER: **Zoroastrianism** [or **Mazdaism** until "Ahura Mazda" is read]

Extra

Prior to this war, Archbishop Jocius cruised around in a black-sailed ship and Henry of Marcy declared a God's Day in Mainz. This war was partly caused by an incident in which Raynald of Chatillon was served sherbet and then decapitated. After leaving this conflict via the Treaty of Ramla, a king blew his disguise as a beggar and was captured by Leopold V of Austria. Gregory VII declared this war after the defeat of Guy of Lusignan at the Horns of Hattin. While leading troops to this war, an emperor went swimming in full armor and drowned. For 10 points, name this crusade in which Philip II, Frederick Barbarossa, and Richard the Lionheart led forces against Saladin.

ANSWER: **Third Crusade** [accept **Kings Crusade**]

Bonuses

1. This "Radical Republican" praised the government as a "custodian of freedom." For 10 points each,
[10] Name this politician whose insult of Andrew Butler led Preston Brooks to beat him with a cane on the Senate floor.
ANSWER: Charles **Sumner**
[10] Sumner's caning occurred after he delivered a speech decrying the "Crime Against" this territory. In a mockery of Douglas' idea of popular sovereignty, border ruffians rushed here to vote for a pro-slavery government.
ANSWER: **Kansas** [or Crime Against **Kansas**]
[10] Sumner represented the plaintiff in *Roberts v. Boston*, which concerned this practice. The Clark doll experiments studied the effects of this practice on young children.
ANSWER: **segregation** in schools
2. Identify the following about drawing Lewis dot diagrams, for 10 points each.
[10] While the octet rule is generally accurate for determining the bonding behavior of elements, this metalloid, symbolized B, can bond with only six electrons in its outer shell.
ANSWER: **boron**
[10] In a Lewis structures, this quantity is minimized for individual atoms, and can be found by subtracting the sum of nonbonding electrons and half the bonding electrons from the number of valence electrons it usually has.
ANSWER: **formal charge** [do not accept or prompt on just "charge"]
[10] In general, when a central halogen atom binds to three other halogen atoms, the central atom has this many lone pairs. In the sulfate ion, this the value of the formal charge of the central sulfur atom.
ANSWER: **2** or **two**
3. One of the frescoes in this building depicts a golden-robed Judas embracing Jesus as he kisses him. For 10 points each:
[10] Identify this church in Padua. The *Last Judgment* over the entrance to this church shows its namesake giving a model of it to Mary. This church also contains a *Lamentation* with nine visibly distraught angels flying overhead.
ANSWER: **Scrovegni Chapel** [or **Arena Chapel**; or **Cappella degli Scrovegni**]
[10] The fresco cycles in the Scrovegni Chapel were painted by this artist, who mimicked the style of his teacher Cimabue in works such as the *Ognissanti Madonna* and *Stefaneschi Triptych*.
ANSWER: **Giotto** di Bondone
[10] Along with Padua and Florence, this Italian city played a major role in "pre-Renaissance" art. This city's namesake school of painting counted among its proponents Duccio and his student Simone Martini.
ANSWER: **Siena**

4. This movie ends with a montage of possible sequels, including "Generations" and a videogame. For 10 points each:

[10] Name this movie, itself a sequel, directed by Phil Lord and Christopher Miller. One of the leads in this movie is congratulated by his boss Captain Dickson on having sex, only for Dickson to find out that that lead actually had sex with his daughter.

ANSWER: **22 Jump Street**

[10] Lord and Miller also directed a movie based on this Danish brand of blocks with which you can build things. In a videogame based on this brand, you play the pizza delivery boy Pepper, who must stop the Brickster.

ANSWER: **Lego** [or *The Lego Movie*; accept word forms like "**Legos**"]

[10] In *The Lego Movie*, Emmett comes up with this incredibly stupid design "so everybody can watch TV together and be buddies!" Of course, this construction ends up saving the lives of all of the main characters.

ANSWER: a **double-decker couch** [accept any reasonable description of **two stacked couches**; prompt on just "couch"]

5. This author wrote a novel in which Minoru Kitani plays a "sealed move" against the title character, Honinbo Shusai, in a game that takes place over the course of six months. For 10 points each:
- [10] Name this author of *The Master of Go*, who also chronicled the relationship between the Komako and Shimamura in his novel *Snow Country*.

ANSWER: Yasunari **Kawabata** [or **Kawabata** Yasunari]

[10] Kawabata wrote a novel in which Kikuji recognizes Yukiko Inamura by her "kerchief" covered with a thousand of these birds. People fold a thousand paper ones of these birds in exchange for a wish.

ANSWER: **cranes** [or *Thousand Cranes*; or *Senbazuru*; or **tsuru**]

[10] In this Kawabata short story, a student befriends Eikichi and becomes infatuated with a young girl in a group of travelling performers in the title region of Japan.

ANSWER: "The **Dancing Girl of Izu**" [or "The **Izu Dancer**"; or "**Izu no Odoriko**"]

6. Segesta, a city on this island, sent delegates to Athens following the Congress of Gela. For 10 points each:

[10] Name this island which was the target of a disastrous Athenian expedition during the Peloponnesian war. It lies west of the Italian boot and later formed a kingdom with nearby Naples.

ANSWER: **Sicily** [or Kingdom of the Two **Sicilies**]

[10] This Athenian general was executed by Gylippus's troops during the expedition. He had earlier negotiated a namesake peace that ended the first part of the war after the Battle of Amphipolis.

ANSWER: **Nicias**

[10] This Athenian demagogue was accused of mutilating statues of Hermes before the departure of the Sicilian expedition. He then defected to Sparta but returned to Athens following the coup of the Four Hundred.

ANSWER: **Alcibiades**

7. This man died shortly after his “farewell pilgrimage,” and his name often has the phrase “peace be upon him” appended to it. For 10 points each:

[10] Name this man, the final prophet of Islam.

ANSWER: **Muhammad**

[10] This term refers to Muhammad’s escape from Mecca and travelling to the city of Yathrib, which was later renamed Medina.

ANSWER: **hijra** [or **hegira**]

[10] This first wife of Muhammad was a great merchant from the Quraysh tribe. She is believed to be the first person to convert to Islam.

ANSWER: **Khadijah** bint Khuwaylid

8. One programming language in this paradigm is named for Gottlob Frege. For 10 points each:

[10] Identify this programming language paradigm, which is contrasted with imperative and declarative. Languages in this paradigm, like Haskell, focus on entities that produce an output for each input.

ANSWER: **functional** programming

[10] Many concepts in functional programming draw on the rules of a calculus named for this letter. In general, anonymous functions are designated by this Greek letter.

ANSWER: **lambda**

[10] Functional languages like Haskell generally do not allow functions to cause these events. These events occur when, in addition to providing an output, the function does something else, like altering a global variable.

ANSWER: **side-effects**

9. Identify the following about collaborations between jazz musicians and Classical composers, for 10 points each.

[10] Aaron Copland wrote a concerto for this instrument at the behest of the “King of Swing,” Benny Goodman, who played it. This single-reed woodwind instrument was used as the basis for the saxophone.

ANSWER: **clarinet**

[10] This composer wrote the *Ebony* Concerto for another jazz clarinetist, Woody Herman. This composer included sections like “Mystic Circles of the Young Girls” in a ballet in which a sacrificial virgin dances herself to death.

ANSWER: Igor Fyodorovich **Stravinsky** [that work is *The Rite of Spring*]

[10] Herman commissioned and Goodman’s band premiered *Prelude, Fugue, and Riffs*, a work by this American composer and conductor of the New York Philharmonic, whose more traditional works include the opera *Candide*.

ANSWER: Leonard **Bernstein** [accept Louis **Bernstein**]

10. This linguist divided language into two components, *langue*, referring to the system of language rules, and *parole*, referring to the instances of their use. For 10 points each:
- [10] Name this Swiss linguist, whose lectures were compiled in his book *Course in General Linguistics*.
ANSWER: Ferdinand de **Saussure**
- [10] Saussure proposed this theory that posited the existence of some no longer used consonants in the ancient Proto-Indo-European language.
ANSWER: **laryngeal** theory
- [10] Saussure defined this concept as a "double entity" composed of the signified and the signifier. He defined language as a system of these entities that express an idea.
ANSWER: **signs** [or **signe**]
11. This character talks to a tree who used to be the man Fradubio shortly after defeating the knight Sansfoy. For 10 points each:
- [10] Identify this man, whose name comes from the emblem on his shield and armor. This character marries Una after saving her parents from the dragon terrorizing their castle.
ANSWER: **Redcrosse Knight** [or The **Knight of Holiness**]
- [10] The Redcrosse Knight appears in *The Faerie Queene*, a work by this English author. His namesake stanza makes up many of his sonnets and *The Faerie Queene*.
ANSWER: Edmund **Spenser**
- [10] Each Spenserian stanza is composed of eight lines of iambic pentameter followed by a line with this many iambs. This many feet made up the lines in the *Odyssey* and *Aeneid*.
ANSWER: **six** [accept iambic/dactylic **hexameter**]
12. Before this battle, a king was misinformed about the position of the enemy troops by two Shasu nomads. For 10 points each:
- [10] Name this battle fought by Egypt and the Hittites under Muwatalli II which is often claimed to be the largest chariot battle ever fought.
ANSWER: Battle of **Kadesh**
- [10] The second Egyptian pharaoh of this name fought the Battle of Kadesh. That pharaoh of this name, the son of Seti I, was married to Nefertari and built the twin temples at Abu Simbel..
ANSWER: **Ramses** II [or **Ramesses** II; or **Ozymandias**]
- [10] The third pharaoh named Ramesses apparently counted the severed penises of enemy soldiers after defeating this group at the Battle of Djahy. This group's invasion of Egypt was then stopped at the Battle of the Delta.
ANSWER: the **Sea Peoples** [or **People of the Sea**]

13. This process occurs via the TNF or FAS paths, with the latter producing the DISC complex that then triggers the caspase pathway. For 10 points each:
[10] Identify this process of programmed cell death, during which cells undergo blebbing.
ANSWER: **apoptosis**
[10] This protein, sometimes nicknamed the "guardian angel of the genome," can promote the expression of p21 to arrest interphase and repair genetic damage. However, it can also induce apoptosis if the DNA cannot be repaired.
ANSWER: tumor suppressor **p53**
[10] Studies of apoptotic pathways have used this technique, in which one of an organism's genes is inactivated to study the effects of its loss. One method of performing this technique is via Cre-lox recombination.
ANSWER: gene **knockout** [accept **knocking out**; accept **KO**]
14. After her husband fled at the sight of her rotting corpse, this goddess vowed to kill 1000 people each day. For 10 points each:
[10] Name this goddess who gave birth to the deformed Leech Child because she spoke first at her wedding.
ANSWER: **Izanami**-no-mikoto
[10] Izanami and her husband Izanagi created the islands of this country from the water droplets that fell from a spear they dipped into the ocean. The Shinto sun goddess, Amaterasu, is worshipped in this country's Ise Shrine.
ANSWER: **Japan** [or **Nihon**; or **Nippon**]
[10] After a god of this object killed the food goddess Uke Mochi in disgust, Amaterasu permanently separated from him. That god of this object was washed out from Izanagi's right eye.
ANSWER: the **moon** [or **Tsukiyomi**]
15. This river forms the border between South Africa and Zimbabwe, part of the border between South Africa and Botswana. For 10 points each:
[10] Name this river that shares its name with the northernmost province of South Africa.
ANSWER: **Limpopo** River
[10] The mouth of the Limpopo River lies near the town of Xai-Xai, which is located in this nation. This Portuguese-speaking nation is the namesake of a channel between it and Madagascar, and its capital is Maputo.
ANSWER: **Mozambique**
[10] Two of the major geographical regions of South Africa are the "High" and "Low" ones of this type of grassland. Its name is an Afrikaans word that loosely translates as "field."
ANSWER: **Veldt**

16. This politician's reputation was tarnished when troops led by him shot at participants in the Gordon Riots. For 10 points each:

[10] Name this English radical who was jailed in the Tower of London after authoring Issue no. 45 of *The North Briton*.

ANSWER: John **Wilkes**

[10] Wilkes was an enemy of this king, a member of the House of Hanover who faced the American Revolution. This man's insanity in later life is sometimes attributed to porphyria.

ANSWER: **George III**

[10] After issuing the Proclamation of Rebellion, George III did not even read this conciliatory petition addressed to him by the Second Continental Congress in hopes of preventing war.

ANSWER: **Olive Branch** Petition

17. This building survived the 1923 Great Kanto Earthquake and was built in "Maya revival style". For 10 points each:

[10] Name this building located in Tokyo. Its the guest rooms wings form an "H" shape.

ANSWER: **Imperial Hotel**

[10] The Imperial Hotel was created by this American architect. He also designed a house that was partly constructed over a waterfall and is thus named Fallingwater.

ANSWER: Frank Lloyd **Wright**

[10] Wright designed the house Wingspread for a member of this Wisconsin family. He also designed the headquarters for this family's wax firm.

ANSWER: **Johnson** [specifically Herbert Fisk **Johnson** or S.C. **Johnson**; do not accept "Johnson & Johnson", which is unrelated]

18. Identify the following about the chess in literature, for 10 points each.

[10] One of this novel's title characters observes a game of chess in which the chessmen are alive. That game is played between Azazello and the talking black cat, Behemoth, who are members of a group led by Professor Woland.

ANSWER: *The* **Master and Margarita** [or **Master i Margarita**]

[10] This author depicted Luzhin's growing obsession with chess in his novel *The Defense*. Charles Kinbote's commentary on a poem by the fictional author John Shade makes up this man's novel *Pale Fire*.

ANSWER: Vladimir Vladimirovich **Nabokov**

[10] This author depicts Marco Polo and Kublai Khan discussing fantastical locations in his novel *Invisible Cities*. He also used second-person narration for every other chapter of his novel *If on a winter's night a traveler*.

ANSWER: Italo **Calvino**

19. Name some things about optics, for 10 points each.

[10] This value is defined as the negative object distance times the height of the image, all divided by the product of image distance and the height of the object. It is the ratio of an object's size as you see it to its actual size.

ANSWER: transverse **magnification**

[10] This quantity for a spherical lens is obtained by setting either the object or the image distance to infinity. For a spherical mirror, it is simply half the radius.

ANSWER: **focal length**

[10] This important principle in optics states that light will traverse a path which minimizes the time it takes to travel.

ANSWER: **Fermat's** principle of least time

20. The narrator of this novel recalls his first homosexual encounter, which was with a boy named Joey. For 10 points each:

[10] Name this novel in which David has an affair with the title Italian bartender, who is sentenced to death after murdering the bar's owner Guillaume.

ANSWER: **Giovanni's Room**

[10] This other novel by the author of *Giovanni's Room* is set on John Grimes' fourteenth birthday. One of the central struggles of the novel is between John and his preacher father Gabriel, who is actually his step-father.

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

[10] *Giovanni's Room* and *Go Tell it on the Mountain* were written by this African-American author, whose essays "My Dungeon Shook" and "Down at the Cross" appear in his book *The Fire Next Time*.

ANSWER: James Arthur **Baldwin**

Extra

In this country, a group of people called "cockroaches" were massacred in a Polish church in Gikondo. For 10 points each:

[10] Name this African country where the downing of Juvenal Habyarimana's plane sparked a genocide of the Tutsis by the Hutus.

ANSWER: **Rwanda**

[10] This country effectively helped many participants in the genocide to escape to Zaire by creating the Zone Turquoise. Earlier in the 20th century, this colonial power lost the Battle of Dien Bien Phu.

ANSWER: **France**

[10] Along with the Impuzamugambi, this militia participated in the genocide. They used the RTLM radio station to track fleeing Tutsis and formed the ALIR after being forced out of Rwanda.

ANSWER: **Interahamwe**