

**ACF Fall 2014: *Nemo auditur propriam derpitudinem allegans***

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**Tossups**

1. This man evoked the image of a mariner lost at sea and noted that only the federal government can coin money in a debate over Samuel Foote's resolution concerning land sales. Although Horace Mann compared him to Lucifer for the same deed, this man was included in *Profiles in Courage* for defending the Compromise of 1850 in his Seventh of March speech. This man argued that his alma mater should remain a private institution in the case *Dartmouth v. Woodward*, and he defined the border of Maine in a treaty signed with Baron Ashburton. For 10 points, name this Massachusetts politician who praised a government "made for the people, made by the people, and answerable to the people" in his Second Reply to Hayne.

ANSWER: Daniel **Webster**

2. A steampunk version of these objects was created by Moore and Fell, who drew upon the more popular Rider-Waite version of these objects. Another version of these objects was illustrated by Frieda Harris and was published by Aleister Crowley under the name *The Book of Thoth*. A character who uses these objects helps uncover an opium growing operation on San Monique run by Kananga, and is named Miss Solitaire. These objects inform the plot of *Live and Let Die*. The *minor arcana* of these objects is divided into four suits, and the *major arcana* includes cards for Death and the Fool. For 10 points, identify these cards which are used by some occultists to divine the future.

ANSWER: **Tarot** cards [accept equivalents like "**Tarot** deck"; prompt on "cards" or "deck of cards" or equivalents; anti-prompt, i.e. "Can you be less specific?" on "*major arcana*" and/or "*minor arcana*" before they're read]

3. The protagonist of a novel by this author causes his housekeeper to drop dead from fright by shouting at his wife about an abandoned cat. A pickpocket stalks and flashes another of this author's protagonists, who is a one-eyed holocaust survivor. In one of his novels, Thea attempts to train a bald eagle to catch iguanas in Mexico. This author's title characters include a millionaire pig-farmer who travels to Africa and a man who imagines writing letters to people like Einstein and Martin Luther King. This author of *Mr. Sammler's Planet* wrote a novel that begins "I am an American, Chicago born." For 10 points, name this author of *Henderson the Rain King*, *Herzog*, and *The Adventures of Augie March*.

ANSWER: Saul **Bellow** [or Solomon **Bellows**]

4. In an 1841 book, Ludwig Feuerbach argued that this belief would counteract humanity's "alienation" and thereby "deny the negation of man." This position is argued for in the second section of *The System of Nature* by the Baron d'Holbach. A section of the book *Pensées* argues that this position is "superdominated" by an opposing belief. An argument for this position posits a teapot in orbit around the sun. Pascal's wager outlines the possibility of infinite gain as a reason to avoid this belief. The concept of a "blind watchmaker" carrying out evolution by natural selection supports this belief in a book by Richard Dawkins. For 10 points, give this term for the belief that there is no god.

ANSWER: **atheism** [or word forms; or "believing that there is **no god**" or similar answers until it is read; prompt on answers like "secularism" or "materialism"]

5. Because it produces this element as a byproduct, the Bosch reaction is not yet a feasible method for producing water. Reaction pathways that produce intermediates containing ionized atoms of this element will be favored if the intermediate is of a lower energy, according to Markovnikov's rule. Under Molecular Orbital theory, this element's diatomic form has a bond order of 2 even though none of its p orbital valence electrons are in a sigma orbital. Aldehydes and ketones contain this element double-bonded to an oxygen atom. One form of this element consists of a 60-atom ball and is called buckminsterfullerene. For 10 points, name this element found in all organic compounds.

ANSWER: **carbon** [or **C**]

6. Serum levels of alanine aminotransferase and gamma-glutamyl-transferase, which are largely produced in this organ, are elevated in Turner syndrome. In Wilson's disease, copper accumulates both in the iris of the eye and in this organ. It is responsible for the synthesis of the compounds fibrinogen and prothrombin. Coprine, found in the inky cap mushroom, prevents this organ from oxidizing acetaldehyde. This organ's Kupffer cells are specialized macrophages that break down red blood cells. Bilirubin is broken down in this organ, which also metabolizes ammonia to urea. For 10 points, identify this largest internal organ of the human body, susceptible to diseases like hepatitis.

ANSWER: **liver**

7. This man was falsely told that an invasion of Romania was imminent in the Tilea affair. Leo Amery gave the "In the name of God, go" speech in opposition to this man. The pseudonym "Cato" was used to attack this leader in the pamphlet *Guilty Men*. This man was presented with the demands of the Godesberg memorandum, and he resigned after his government was criticized in the Norway Debates. He claimed to have achieved "Peace in our time" after allowing the annexation of the Sudetenland via the Munich Agreement. For 10 points, name this British prime minister who was succeeded by Winston Churchill and attempted to appease Hitler.

ANSWER: [Arthur] Neville **Chamberlain**

8. A church in this city has a façade with 14 niches that contain statues like *Four Crowned Martyrs*. One sculptor from this city created a small gold statue of Neptune and Ceres for Francis I of France. Another sculptor from this city created a marble statue of Habakkuk nicknamed "pumpkin" for the prophet's bald head. The mosaic ceiling of this city's baptistery was probably contributed to by Cimabue, who was from this city. A gallery in this city was designed by the author of *Lives of the Artists*, Giorgio Vasari. Early experiments in perspective like Masaccio's *The Tribute Money* were created in this city. For 10 points, name this city home to Michelangelo's *David* and the Uffizi Gallery.

ANSWER: **Florence** [or **Firenze**]

9. This person's discussions on the theory of relativity with Wolfgang Pauli inspired his idea of an "unus mundus" behind the "acausal connecting principle" he termed "synchronicity." This man gave the title "Liber Novus" to a long-unpublished journal called the *Red Book*. This writer wrote about "the process by which individual beings are formed" from the indefinite unconscious. His work in the book *Psychological Types* formed the basis for the Myers-Briggs personality test. He coined the term "collective unconscious" and also developed the concepts of the anima and animus. For 10 points, name this Swiss psychotherapist who developed the concept of archetypes.

ANSWER: Carl [Gustav] **Jung**

10. This author wrote a story in which a man who harbors a lifelong lust for fine jewelry is influenced by an "evil star" and is stabbed to death in self-defense by the Count de Mirossens. In another of his stories, the protagonist purchases a telescope from the Italian barometer salesman Coppola, who is actually the alchemist Coppelius in disguise. This author also wrote a story in which Princess Pirlipat is cursed by the Queen of the Mice in a series of events which is narrated to Marie by her godfather, the clockmaker Drosselmeyer. For 10 points, name this German Romantic author of such fantastic tales as "Mademoiselle de Scuderi," "The Sandman," and "The Nutcracker and the Mouse King."

ANSWER: E. T. A. **Hoffmann** [or Ernst Theodor Amadeus **Hoffmann**]

11. In this novel a female lead says "I could be a good woman if I had five thousand a year." This novel ends by asking "which of us is happy in this world? Which of us has his desire? or having it, is satisfied?" Near the beginning of this novel, one of its female leads throws a dictionary out of a carriage while leaving Miss Pinkerton's school. At a ball in this novel, Rawdon Crawley finds out that he is being sent to Waterloo. In this novel, the bully Cuff tries to beat up George Osborne, who is saved by Dobbin. Throughout this novel, Dobbin is absurdly loyal to Amelia Sedley, Becky Sharp's friend. For 10 points, name this "novel without a hero" by William Makepeace Thackeray.

ANSWER: **Vanity Fair**: *A Novel without a Hero*

12. A city in this country holds an annual Monkey Festival to celebrate its large population of crab-eating macaques. People from this country perform a formal greeting similar to *namasté* called *wai*. Its northern region of Isan is just to the east of its ancient capital city, Lopburi and the resort beach Patong is located on its largest island, Phuket. This country is the namesake of a kind of kickboxing nicknamed "the art of eight limbs." One can travel from this country's namesake gulf to the Indian Ocean by passing through the Straits of Malacca or over the Isthmus of Kra, which this country shares with its neighbor Myanmar. For 10 points, name this Southeast Asian kingdom with its capital at Bangkok.

ANSWER: Kingdom of **Thailand** [or Prathet **Thai**; or Ratcha Anachak **Thai**]

13. The slow movement of Beethoven's ninth includes a famously difficult solo for this instrument that begins with an ascending C-flat Major scale. Near the beginning of the scherzo of Beethoven's fifth, this instrument plays a loud theme that has the same "short-short-short-long" rhythm as the beginning of the first movement. The trio of the scherzo of the *Eroica* symphony begins with three of them playing what sounds like hunting calls. Most Romantic orchestral works have parts for four of these instruments. Players of this instrument can play buzzy-sounding "stopped" notes since they play with their right hand inside the bell. For 10 points, name this coiled brass instrument.

ANSWER: French **horns**

14. In this country, Carl Volkner was murdered and Sentry Hill was attacked by a religious group called the Hauhau. Colonization of this country was delayed by the massacre of the crew of the *Boyd*. The dog tax was imposed in this country, where the Flagstaff War and the Musket Wars were fought. Prime ministers of this country have included Robert Muldoon and Keith Holyoake. This country became the first to grant women's suffrage in 1893. In what became this country, William Hobson persuaded over 500 native chiefs to sign the Treaty of Waitangi. For 10 points, name this country home to the Maori with capital at Wellington.

ANSWER: **New Zealand** [or **Aotearoa**]

15. Differences in the magnitude of this phenomenon are used to generate pico-Newton forces to move microscopic objects in single-beam gradient traps. An alteration to this phenomenon is proportional to the strength of an applied electric field in the Pockels effect. Alternating layers of dielectrics and metals can form metamaterials, in which it occurs opposite to the typical direction. The magnitude of this phenomenon in anisotropic materials depends on the direction of travel, and is called birefringence. The ratio of the sines of two angles is proportional to the ratio of light velocities, according to Snell's law of this phenomenon. For 10 points, identify this effect in which light bends as it passes through different media.

ANSWER: **refraction**

16. During the American Revolution, this thinker criticized the Declaration of Independence in his "A Short Review of the Declaration." He criticized slavery and animal abuse by claiming that "the question is not, 'Can they reason?' nor, 'Can they talk?' but, 'Can they suffer?'" in his *Introduction to the Principles of Morals and Legislation*. This thinker, whose body is preserved in a cabinet at University College London, proposed the creation of a penitentiary that would allow a single watchman to observe all inmates, called the Panopticon. He described his ethical philosophy with the "greatest happiness principle." For 10 points, name this mentor of John Stuart Mill who founded utilitarianism.

ANSWER: Jeremy **Bentham**

17. This author wrote a poem addressing a man who "was born again like an eternal plant" whose "roots...are today defended...in the Soviet land." Another of his poems says that "it is the hour of departure...which the night fastens to all the timetables." This writer described how his voice "tried to find the wind to touch her hearing" while "the verse falls to the soul like dew to the pasture." This man wrote "the memory of you emerges from the night around me" and "in you, everything sank" in the last poem of his collection that also includes "Tonight I can write the saddest lines." For 10 points, name this writer of *Canto General* ["canto heneral"] and *Twenty Love Poems and A Song of Despair*, a poet from Chile.

ANSWER: Pablo **Neruda** [or Neftali Ricardo **Reyes** Basoalto]

18. A heterocyclic intermediate formed from a reaction of this non-organic compound is often reductively worked up with either zinc metal or dimethyl sulfide to form two carbonyls. Criegee's namesake intermediate is often produced in that reaction named for this molecule, in which it cleaves alkenes or alkynes to produce a double bond with oxygen. The Chapman cycle describes the breakdown and formation of this compound. CFCs have caused depletion of this compound, which is formed when UV light photolyzes the second-most common molecule in the atmosphere. For 10 points, identify this molecule composed of three oxygen atoms, which is found in a namesake layer in the stratosphere.

ANSWER: **ozone** [accept **O3**]

19. Participants in this conflict formed Flag Gangs and invaded another country in the Haw Wars. A leader during this war was briefly advised by Issachar Roberts and was influenced by the tract *Good Words to Admonish the Age*. During this war, a command to "eat manna" was given to the starving inhabitants of a besieged city. Frederick Townsend Ward led the Ever Victorious Army during this conflict, which earned Charles Gordon his nickname. Many people of the Hakka ethnicity participated in this rebellion, which was begun by the God Worshiper's Society and ended by the Fall of Nanking. For 10 points, name this bloody rebellion led by the Christian Hong Xiuquan against China's Qing dynasty.

ANSWER: **Taiping** Rebellion

20. This god has a palace with a roof supported by golden pillars; in that palace of this god, the meals are served by invisible servants. In the *Aeneid*, this god disguises himself as Aeneas's son Iulus. In one story, a woman is convinced by her sisters that this god is actually a serpent that will eat her and her child by this god. That woman accidentally burns this god by spilling some lamp oil in her attempt to see this god's face. This god married a woman who retrieved a box containing some of Proserpina's beauty from the underworld. For 10 points, name this husband of Psyche and son of Venus who is the Roman god of love.

ANSWER: **Cupid** [or **Eros** until "*Aeneid*"]

### Extra

This musician led a 1946 septet that included a young Miles Davis and recorded this musician's namesake "Suite." This composer based three of his works on the chords from "Honeysuckle Rose," "How High the Moon," and "Cherokee." He played alongside Bud Powell and Dizzie Gillespie as a member of "*The Quintet*" at Massey Hall in 1953, and he also recorded "Billie's Bounce" and "Ko-Ko" with Gillespie in 1945. He recorded standards like "Just Friends" and "Summertime" on an album "With Strings." His compositions include "Scrapple from the Apple" and "Ornithology." For 10 points, name this pioneer of bebop, an alto saxophonist nicknamed 'Bird.'

ANSWER: Charlie **Parker** [accept "**Bird**" or "Yard**bird**" before mentioned]

This author wrote a novel in which a "powder of sympathy" is used to make a wounded dog yelp, solving the problem of telling longitude at sea. This author wrote a novel in which the lost Second Book of Aristotle's *Poetics* is destroyed, and the protagonist discovers a body in a jar of pig's blood. In another novel by him, Diotallevi, Jacopo Belbo, and Casaubon concoct a conspiracy that links "telluric currents" to the Knights Templar. This author of *The Island of the Day Before* wrote a novel in which the schemes of the blind monk Jorge are foiled by William of Baskerville. For 10 points, name this Italian author of *Foucault's Pendulum* and *The Name of the Rose*.

ANSWER: Umberto **Eco**

## Bonuses

1. The red-black variety of this data structure makes use of the nodes' colors to self-balance. For 10 points each:

[10] Identify this data structure, consisting of linked nodes, some of which are called leaves. In this specific type of data structure, each parent node has at most two children.  
ANSWER: **binary trees** [prompt on partial; do not accept "B tree"]

[10] A binary tree is called "balanced" if this quantity is as small as mathematically possible.  
ANSWER: maximum **height** of the tree [or maximum **distance from root to leaf**, accept any descriptions which make it clear that we want all the leaf/bottom nodes to be as close to the root/top node as possible]

[10] Binary trees are very useful for this operation, which for a red-black tree only takes big O of log n time. Generally, operations of this type locate a desired element somewhere within a data structure.  
ANSWER: **searching** [word forms are acceptable]
2. In the final chapter of the novel in which this character appears, she has a long interior monologue which ends with her recollection of a marriage proposal. For 10 points each:

[10] Name this woman, whose impending liaison with Blazes Boylan disturbs her husband as he wanders through Dublin on a particular day in June, 1904.  
ANSWER: **Molly** Bloom [prompt on just "Bloom"]

[10] Molly Bloom's husband Leopold is the protagonist of this author's novel *Ulysses*. His other work includes *Finnegans Wake* and *A Portrait of the Artist as a Young Man*.  
ANSWER: James [Augustine Aloysius] **Joyce**

[10] Leopold Bloom is based on this friend of James Joyce. Joyce helped popularize this man's novel *The Confessions of Zeno*.  
ANSWER: Italo **Svevo** [or Aron Ettore **Schwartz**]
3. Answer the following about things introduced to Europe by the Columbian Exchange, for 10 points each.

[10] The potato, which became widely cultivated in Europe, names a war of succession in this polity. In the 20th century, a city in this state was the site of the Beer Hall Putsch.  
ANSWER: **Bavaria** [or **Bayern**; prompt on "Germany" or "Holy Roman Empire"]

[10] This sexually transmitted disease was one of the few brought back by Columbus's crew. It became known as the "French Disease" after French soldiers spread it in Naples in 1494.  
ANSWER: **syphilis**

[10] The importation of tobacco was targeted in this king's tract *A Counterblaste to Tobacco*. His other writings include a piece supporting the divine right of kings, *Basilikon Doron*, and a treatise on witch hunting, *Daemonologie*.  
ANSWER: **James I** of England [or **James VI** of Scotland; prompt on "James"]

4. This equation can be generalized for multiple ions through the Goldman equation. For 10 points each:  
[10] Name this fundamental equation of electrochemistry, which allows one to find the reduction potential at non-standard conditions. It is used to find the potential of an ion with varying concentrations across a membrane.

ANSWER: **Nernst** equation

[10] Reduction occurs at this electrode of a cell, which often grows as metals from solution are deposited. It is contrasted with the anode, where oxidation occurs.

ANSWER: **cathode**

[10] This device, often formed with a glass tube or wet filter paper, contains an electrolyte that balances the charge between the two half-reactions in an electrolytic cell.

ANSWER: **salt bridge**

5. Rock songs often have great organ parts. For 10 points each:

[10] This song, which begins with a distinctive organ solo by Ray Manzarek, was the biggest hit for The Doors.

ANSWER: "**Light My Fire**"

[10] This Beatles song prominently features organist Billy Preston. The first verse of this song is about a man named Jojo who "thought he was a loner" and "left his home in Tucson, Arizona for some California grass."

ANSWER: "**Get Back**"

[10] This band included massive organ riffs in the song "Intervention" on their 2007 album *Neon Bible*. In 2014, this Canadian band released the album *Reflektor*, produced by former LCD Soundsystem frontman James Murphy.

ANSWER: **Arcade Fire**

6. This author included a scathing criticism of "the malice of Herodotus" in his collection of essays on various topics mostly concerning Roman customs and living. For 10 points each:

[10] Identify this ancient Roman author of the essay collection *Moralia*.

ANSWER: **Plutarch** [or Lucius Mestrius **Plutarchus**]

[10] Plutarch is much more famous for his collection of biographies, the *Parallel Lives*, which he wrote in this language. Its *koine* dialect was spoken widely across the ancient Mediterranean.

ANSWER: Ancient **Greek** [or **Elleniki**]

[10] In his *Parallel Lives*, Plutarch paired Demosthenes with this great Roman orator, who denounced the Catilinarian conspiracy and delivered many other speeches in favor of his friends like Milo and Caelius.

ANSWER: Marcus Tullius **Cicero** [or **Tully**]

7. After the creation of this company, citizens donated items such as pigs and jewelry to help pay off foreign debts. For 10 points each:

[10] Name this Mexican company created via the nationalization of foreign companies under Lázaro Cárdenas. Its founding in 1938 is commemorated by a national holiday.

ANSWER: **Pemex** [or **Petroleos Mexicanos**]

[10] Another Mexican national holiday celebrates the birth of this Zapotec-born politician, who led liberal forces in the Reform War and ordered the execution of Maximilian I.

ANSWER: Benito [Pablo] **Juárez** [García]

[10] This country nationalized its oil industry after its 1979 Islamic revolution created a theocracy ruled by Ayatollah Khomeini from Tehran.

ANSWER: **Iran** [or Islamic Republic of **Iran**; or Jomhuriye Islamiye **Iran**]

8. Identify the following about modern string quartets, for 10 points each.

[10] This composer included a soprano singing a Stefan Georg poem in his second string quartet, which was one of the first atonal pieces ever. He also wrote the string sextet *Transfigured Night* and the song cycle *Pierrot Lunaire*.

ANSWER: Arnold **Schoenberg**

[10] Beethoven's thirteenth string quartet originally ended with this intense piece, which was published separately. Stravinsky famously said that it is "an absolutely contemporary piece of music that will be contemporary forever."

ANSWER: **Grosse Fuge** [accept **Great Fugue** or **Grand Fugue**]

[10] Elliott Carter, a composer from this country, may be best known for his second and third string quartets. Both of those works won the Pulitzer Prize for Music, which is awarded to composers from this country.

ANSWER: **USA** [or **US**; or **United States of America**; accept equivalents, including just "**America**"]

9. In this novel, soldiers fire on an audience at the National Theater attending a production of the play *My Fatherland* or *My Head Scarf*. For 10 points each:

[10] Name this novel in which a poet named Ka falls in love with Ipek after travelling to the city of Kars to investigate several suicides committed by women in response to a head scarf ban.

ANSWER: **Snow** [or **Kar**]

[10] This Turkish author wrote *Snow*, as well as novels like *My Name is Red* and *The Museum of Innocence*.

ANSWER: Orhan **Pamuk**

[10] *My Name is Red* concerns the murder of Elegant Effendi, an artist who created "miniatures," a style of painting from this no-longer-extant polity. The novel takes place over several days in its capital of Istanbul.

ANSWER: **Ottoman** Empire [or the **Sublime Porte**; or **Osmanli** Imparatorlugu; prompt on "Turkey"]

10. Heracles once threatened to shoot this god because it was too hot. For 10 points:

[10] Name this son of the Titan Hyperion, who drove the Sun across the sky each day.

ANSWER: **Helios**

[10] Helios's own son Phaeton persuaded his father to let him use one of these objects, but Phaeton failed to control the horses that pulled it and had to be killed by Zeus before he did too much damage.

ANSWER: solar **chariots**

[10] According to Euripides, Medea escaped this city with the help of a chariot sent by her grandfather Helios after she killed her children. Other sources state that this city's inhabitants killed Medea's children.

ANSWER: **Corinth**



11. Identify the following about physics you might use while playing *Kerbal Space Program*, for 10 points each.

[10] All rockets operate according to this law, which implies that propellant expelled in one direction pushes the rocket in the opposite direction with an equivalent force, thus allowing motion to occur in a vacuum.

ANSWER: Sir Isaac **Newton's third** law [accept any answer saying "**Newton**" and "**3**"]

[10] This quantity tells you how much force can be obtained per unit of propellant per unit time. Its use allows the Tsiolkovsky rocket equation to be written linearly.

ANSWER: **specific impulse** [or **I<sub>sp</sub>** ["I sub s-p"]; prompt on "impulse"; do not accept "total impulse"]

[10] *KSP* fails to effectively model this atmospheric phenomenon. Stokes's Law gives its value on spherical objects, and, since its value is proportional to velocity, it produces a first-order term when damping a harmonic oscillator.

ANSWER: **drag** [prompt on (air) resistance]

12. Jean-Paul Sartre wrote a psychoanalytic work about this author titled *The Family Idiot*. For 10 points each:

[10] Name this French author who wrote about the wife of a doctor named Charles and her affairs with Leon Dupuis and Rodolphe Boulanger in the novel *Madame Bovary*.

ANSWER: Gustave **Flaubert**

[10] Flaubert appended one of these kinds of books, titled for its "Received Ideas," to his humorous novel *Bouvard and Pecuchet*. Samuel Johnson spent nine years creating one of these books.

ANSWER: a **dictionary** [or *The **Dictionary** of Received Ideas*; or *Le **Dictionnaire** des idées reçues*; or ***Dictionary** of the English Language*]

[10] Flaubert also wrote this short novel about Frederic Moreau's unrequited passion for Marie Arnoux. It is set against tumultuous events like the overthrow of the July Monarchy and the rise of Napoleon III.

ANSWER: **Sentimental Education** [or *L'**Education Sentimentale***]

13. In the 19th century, this label was given to Americans engaging in combat in Latin America with the goal of taking over territory. For 10 points each:

[10] Give the name of those soldiers who invaded other countries without the support of the US military. It was later used to describe a procedure that aimed to delay or prevent a vote in the Senate.

ANSWER: **filibusters** [accept **freebooters**; accept **filibustering**]

[10] This filibuster created the Republic of Lower California when he took Baja California as part of his plan to found the Republic of Sonora. He also ruled Nicaragua until he surrendered to Commander Davis in 1857.

ANSWER: William **Walker**

[10] This former vice president was arrested on charges of treason after he attempted to carve his own country out of Louisiana and other western territories.

ANSWER: Aaron **Burr**, Jr.

14. A book about this subject distinguishes economies based on these items from ones that involve "total prestation." For 10 points each:
- [10] Identify this type of item, which is the title of a book by Marcel Mauss examining customs like the Native American potlatch and the Maori hau.
- ANSWER: **gifts**
- [10] This Polish anthropologist described the Kula ring and stressed the importance of participant observation in his book *Argonauts of the Western Pacific*.
- ANSWER: Bronislaw [Kasper] **Malinowski**
- [10] In the Kula ring, two ceremonial items called *veigun* and *mwal*, which were these types of items, were exchanged. Name either type; they are made of white shells and red shells respectively, and were passed in opposite directions.
- ANSWER: **necklaces** OR **armbands** [or similar answers like "**bracelets**" instead of armband; *veigun* were necklaces, and *mwal* were armbands]
15. This country's avant-garde art movements at the beginning of the 20<sup>th</sup> century included the Suprematists. For 10 points each:
- [10] Name this country, home to painters like Kazimir Malevich, El Lissitzky, Varvara Stepanova, and Liubov Popova.
- ANSWER: **Russia** [accept **Soviet Union** or **USSR**, since many of these people were active when that was a thing; accept any obvious equivalents]
- [10] Malevich was a pioneer of paintings with this quality, especially in his works named after geometric shapes. Yves Klein's paintings featuring *IKB* almost always had this feature.
- ANSWER: **monochrome** [accept word forms and equivalents like "it only has **one color**"]
- [10] For instance, Malevich created a painting called "[this color] on [this color]." Whistler created a portrait of Joanna Hiffernan standing on a wolf skin called "Symphony in [this color]" or "the [this color] girl."
- ANSWER: **white**
16. This neurotransmitter can be formed from alpha-ketoglutarate. For 10 points each:
- [10] Name this common excitatory neurotransmitter which can also be synthesized into the inhibitory neurotransmitter GABA.
- ANSWER: **glutamate** [or **glutamic acid**]
- [10] Glutamate receptors on the tongue contribute to this taste, which can be described as savoriness.
- ANSWER: **umami**
- [10] A glutamate salt of this element is often used to enhance the umami flavor of foods. During an action potential, ions of this element rush into the axon to further depolarize the cell.
- ANSWER: **sodium** [or **Na**]

17. Note to Moderator: Do not read the alternate answers to the first part aloud  
Rabbi Akiva condemned the public recitation of this text, but defended its inclusion in the scriptural canon as an allegory for the love between God and Israel. For 10 points each:  
[10] Name this Biblical book in which two lovers express their passion with phrases like "I am a wall, and my breasts like towers" and "the joints of thy thighs are like jewels."  
ANSWER: **Song of Songs** [or **Canticles**; or **Shir haShirim**; or **Asma Asmaton**; accept but do not reveal **Song of Solomon**  
[10] The *Song of Songs* is attributed to this wise king of Israel who was the son of David.  
ANSWER: **Solomon** [or **Shlomo**; or **Sulayman**  
[10] The *Song of Songs* is part of the Ketuvim, or "writings," that make up part of this canon of Hebrew scripture along with the Torah and the Prophets. This set of scriptures is also called the Masoretic Text, or the *miqra*.  
ANSWER: the **Tanakh**
18. A conflict in this country was called an "ulcer" by a belligerent who attempted to invade it. For 10 points each:  
[10] Identify this country which was briefly ruled by Joseph Bonaparte during the Peninsular War. The Second of May uprising occurred in this country.  
ANSWER: Kingdom of **Spain** [or **Espana**  
[10] During the Peninsular War, this English general led anti-Napoleon forces at the Battle of Vimeiro and the Battle of Talavera. This man, born Arthur Wellesley, defeated Napoleon at Waterloo and later served as Prime Minister.  
ANSWER: Arthur Wellesley, Duke of **Wellington**  
[10] After Napoleon had Joseph crowned King of Spain, this French field marshal and famous dandy took over as King of Naples, a position he lost after the Battle of Tolentino.  
ANSWER: Joachim **Murat** [or Joachim-Napoleon **Murat**
19. Identify some characters from *The Adventures of Huckleberry Finn*, for 10 points each.  
[10] This slave keeps Huck company as they travel down the Mississippi River, after he escapes his owner, Miss Watson.  
ANSWER: **Jim**  
[10] Two answers required. One member of this pair of con-artists claims to be rightful heir to "bilgewater," and the other a long-lost son of Louis XVI. Soon after this pair appears, they pretend to be Peter Wilks' brothers.  
ANSWER: The **Duke** and the **Dauphin** [order does not matter; do not prompt on partial answer]  
[10] After an accident with a steamboat, Huck is taken in by this family, becoming a first-hand witness of their murderous feud with the Shepherdsons.  
ANSWER: **Grangerfords**

20. This structure is in the shape of an inverted flattened catenary curve. For 10 points each:

[10] Name this stainless steel structure in St. Louis. It is the tallest man-made monument in the Western Hemisphere.

ANSWER: **Gateway Arch** [prompt on partial]

[10] This Finnish-American architect designed the Gateway Arch. He also designed Dulles International Airport and the Tulip Chair.

ANSWER: Eero **Saarin**en [do not accept "Eliel Saarinen"]

[10] Saarinen studied at this university's architecture school, and later designed the Morse and Ezra Stiles complexes for it, as well as Ingalls Rink. The *Woman's Table* is a sculpture here designed by its alumna Maya Lin.

ANSWER: **Yale** University [accept **Yale** School of Architecture]

### Extra

The protagonist of this novel wanders off from Dr. Lockwood's party to admire a crashed fighter plane at the Hungjao aerodrome. For 10 points each:

[10] Name this novel by J. G. Ballard in which a young British boy named Jim spends two years interned at the Lunghua Assembly Center with people like Dr. Ransome and Basie, an American sailor.

ANSWER: **Empire of the Sun**

[10] Eileen Chang's novella *Love in a Fallen City* concerns two lovers who leave this city and survive the war in Hong Kong. J.G. Ballard based *Empire of the Sun* on his own experiences living in this city's International Settlement.

ANSWER: **Shanghai**

[10] *Empire of the Sun* takes place during the Second Sino-Japanese War, which was a theater of this global conflict. Anne Frank wrote in her diary about her life during this war.

ANSWER: **World War II** [or equivalents like "the **Second World War**"]