

Berus-Lie Academic Spring Tournament (BLAST)

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Packet 14: Bored said m

Tossups

1. **This poet asserts "You won't return from under the rocks. / You won't return from your subterranean time." before requesting "attach your bodies to me like magnets" and "speak through my words and my blood" in a poem that he opened with the line "rise up in birth with me, my brother." This poet wrote of "Her voice, her bright body. Her infinite eyes" in a poem that says his "soul is not satisfied that it has lost her" and laments that (*) "forgetting is so long." The lines "It is the hour of departure" and "In you everything sank" are repeated throughout a poem by this author. The poem "Tonight I can write the saddest lines" was written by, for 10 points, what Chilean poet who penned *Twenty Love Poems and a Song of Despair*?**

ANSWER: Pablo Neruda <KL, Non-Epic Poetry> [The first clue is from "The Heights of Macchu Picchu."]

2. **One of these institutions contains an all-pink room named after the children's book character *Eloise*. An establishment of this type in Milan's Galleria Vittorio Emanuele was the first of its kind to gain an official "seven-star" rating; however, the first unofficial "seven-star" rating was given to a sail-shaped building of this kind known as the (*) Burj al-Arab. Pyongyang contains an unopened, pyramid-shaped one of these institutions known as the Ryugyong. The oldest one of these institutions in the United States is the Omni Parker House. For 10 points, name these locations which in the United States are owned by the Hilton Group.**

ANSWER: hotels [The first hotel is the Plaza Hotel in New York City.] <HP, Geography>

3. **Visual depictions of this ruler's siege of Kandahar are collected in his official biography, the *Padshahnama*. This emperor's general Painde Khan put down the resistance movement of Guru Hargobind at the Siege of Kartarpur. One of this emperor's sons boldly attempted to fuse Hindu and Sufic traditions and was Dara Shikoh. This emperor commissioned Ahmad Lahori to create the (*) Peacock Throne, which is housed in the *Diwan-i-Khas* of another of his constructions, the Red Fort. This emperor's most famous creation is a mausoleum in Agra dedicated to his wife, Mumtaz. For 10 points, name this Mughal Emperor who commissioned the building of the Taj Mahal.**

ANSWER: Shah Jahan [accept Shahab ud-Din Muhammad Khurram] <AN, World History>

4. **Techniques used to extract and purify these objects include maxiprep and miniprep. *Agrobacterium tumefaciens* uses the "Ti" [**"T-I"**] variety of these objects to induce tumors in host plants. A protein isolated from *Aequorea victoria* can be expressed after insertion into one of these objects called (*) pGLO [**"p-GLOW"**]. These objects may be transferred from one cell to another through a structure known as a sex pilus. The "F" variety of these objects allows for horizontal gene transfer while the "R" variety is responsible for conferring antibiotic resistance. For 10 points, name these extrachromosomal circular pieces of DNA found in bacteria.**

ANSWER: plasmids [or episomes, or vectors, prompt on answers involving DNA] <ARB, Biology>

5. This composer wrote a violin concerto whose movements unusually follow a “slow-fast-slow-fast” pattern, beginning with a nocturne. Musicologist Solomon Volkov published a controversial book that he claimed was this composer’s memoirs. This composer’s fifth symphony was written to regain favor after the failure of his opera *Lady Macbeth of the Mtsensk District*, which was lambasted by *Pravda* as (*) “Muddle Instead of Music.” This composer’s eighth string quartet prominently features the D-S-C-H motif, which he used to represent himself. He’s not Ravel, but this composer used a snare drum ostinato for his 22-bar “invasion theme” in his seventh symphony. For 10 points, name this Soviet composer of the *Leningrad* Symphony.

ANSWER: Dmitri Shostakovich [accept Dmitri Dmitriyevich Shostakovich; the book is titled *Testimony*] <LM, Auditory Fine Arts>

6. In a novel by this author, a woman who was punished for sneaking out to a synagogue as a child, named Mirah Lapidoth, is saved from drowning herself in a river by the protagonist. The aptly named Camden Farebrother helps pay the debts of a doctor in one of this author’s novels. While going to the Red House for a New Year’s party, Molly Farren dies in a snowstorm, leading the title character of one of this author’s novels to care for her (*) "golden-haired" daughter. In that book by this author, a man discovers that Dunstan Cass has stolen his gold, but finds joy in adopting Eppie. In this author’s most famous novel, Edward Causabon attracts the love interest of Dorothea Brooke. For 10 points, name this British author of *Silas Marner* and *Middlemarch*.

ANSWER: George Eliot [or Mary Ann Evans; the unnamed first work is *Daniel Deronda*] <HP, Long Fiction>

7. An artist from this country was inspired by Michelangelo’s *Night for the pose of the figure in his Flaming June*. Angelica Kauffmann was one of the two women who helped found an art academy in this country. A young girl wearing a pink bonnet was depicted in *Pinkie*, a painting from this country that hangs opposite a more famous portrait in California’s Huntington Library. The (*) “Grand Style” of historical painting was promoted by an artist from this country that also painted Melpomene sitting on a throne in *Sarah Siddons as the Tragic Muse*. For 10 points, name this country home to Joshua Reynolds, who worked in the Royal Academy in London.

ANSWER: United Kingdom [accept Great Britain or UK; accept England] <HP, Visual Fine Arts>

8. Kepler shear impacts the formation of self-gravity wakes in these structures. Interactions with a magnetic field causes dark spokes to appear within these structures. These structures can form when tidal forces exceed the gravitational self-attraction of objects within the Roche limit. Another of these structures is generated by cryovolcanoes [**“CRY-oh-volcanoes”**] on Enceladus. Orbital resonances with shepherd moons cause (*) gaps to form within these structures, examples of which include the Huygens [**“high-gens”**] Gap and the Cassini Division. For 10 points, name these systems of small dust and ice particles that orbit a planet, many of which surround Saturn.

ANSWER: planetary rings [accept more specific answers, such as rings of Saturn] <SL, Astronomy>

9. In the book of Matthew, Jesus admonishes the city of Jerusalem while comparing its people to these animals. During a Hindu cremation ceremony, this animal is tethered by the leg so that any evil spirits escaping the body go into the animal and not the family members present. One hadith states that hearing this animal cry out means that it has seen an angel. On the eve of Yom Kippur, some worshippers practice the kapparot ritual, which involves the (*) swinging of one of these animals above their heads. The Supreme Court held that a law an ordinance passed in Hialeah, Florida preventing the killing of these animals was unconstitutional. That law was passed in response to the public sacrifice of these animals to gain the protection of the Orishas. For 10 points, name these birds often sacrificed in Santeria.

ANSWER: chickens [accept rooster, hen, or cock] <SZ, Religion>

10. A mayor from this state gained the nickname of “Golden Rule” for implementing an 8-hour work day and establishing free kindergartens. Tom Johnson fought against streetcar monopolies while serving as a mayor in this state. Before moving to Florida, Henry Flagler helped to jumpstart Standard Oil in one of this state’s cities. A presidential candidate from this state ran under the slogan (*) “Return to Normalcy.” Harry Daugherty and Albert Fall helped get a presidential candidate from this state elected as part of this state’s namesake “gang.” For 10 points, name this state where Progressive-Era president William Taft was born in its city of Cincinnati.

ANSWER: Ohio <HP, American History>

11. One candidate in this country faced controversy for calling another politician a “Nazi pig” and after his prior conviction for stalking a 24 year old was revealed. In this country, one party’s spokesman, the half-Ethiopian Mattias Tesfaye, was chronicled in the *POLITICO* 28 “Class of 2019” for representing the party’s shift against immigration. This country is home to (*) Rasmus Paludan, who led its Hard Line Party, and its 2019 elections saw the defeat of the Venstre government led by Lars Rasmussen with the Social Democrats taking a plurality in the Folketing. For 10 points, name this Scandinavian country where Mette Frederiksen serves as Prime Minister from Copenhagen.

ANSWER: Kingdom of Denmark [accept Danmark] <AN, Current Events>

12. The trumpet and saxophone begin the second track on an album by this musician by repeating the half notes G, F. Wayne Shorter’s earlier composition “Footprints” was included on a post-bop album by this musician titled for his “Smiles.” This musician’s “electric period” was begun by his fusion album *In a Silent Way*. Gil Evans’ collaboration with this musician resulted in arrangements of tracks on his album (*) *Birth of the Cool*. This musician introduced modal jazz with an album he recorded with a sextet that included Cannonball Adderley and John Coltrane. Bill Evans played piano on that album, which begins with “So What.” For 10 points, name this jazz trumpeter, most famous for *Kind of Blue*.

ANSWER: Miles Davis <KM, Other Auditory Arts>

13. The quote “here the sea ends and the earth begins” opens a novel by this author in which a character follows the ghost of his creator to the graveyard. A character who gets lost while hunting for food from a supermarket encounters a dog who licks the tears off of her face in a novel by this author. This author wrote of a thief who dies of an infected wound after groping a woman wearing dark glasses and getting kicked by her (*) stiletto. This man referenced the many “heteronyms” of one of his countrymen in his novel *The Year of the Death of Ricardo Reis*. In another novel by this author, the only character not to be afflicted with the title “white” condition is the doctor’s wife. For 10 points, name this author of *The Gospel According to Jesus Christ* and *Blindness*, a Nobel laureate from Portugal.

ANSWER: José (de Sousa) Saramago <DP, Long Fiction>

14. A chapel in this city was built on the impatient orders of a ruler who wished to house artifacts he had received from Baldwin II. After this city’s patron saint was executed, he supposedly picked up his severed head and walked several miles while still preaching. The hill where that man, Saint Denis, had been martyred then became known as (*) Montmartre. This city’s royal chapel of Sainte-Chapelle was constructed by Louis IX, and it also contains a medieval cathedral designed by Maurice de Sully which in 2019 was ravaged by fire. For 10 points, name this city which houses Notre Dame, the capital of France.

ANSWER: Paris <CS, European History>

15. **This physicist names an equation which describes non-relativistic interactions between electromagnetic fields and particles with spin, a limit of the Dirac equation. This physicist names a set of matrices which are isomorphic to the quaternions and are denoted lowercase sigma sub x, y, and z. Those matrices, when multiplied by one-half times the reduced Planck constant, yield spin operators. A principle developed by this physicist results in (*) degeneracy pressure, which holds for particles with antisymmetric wavefunctions. That principle states that two fermions cannot simultaneously occupy the same quantum state. For 10 points, name this physicist who developed his namesake Exclusion Principle.**

ANSWER: Wolfgang Pauli <SL, Physics>

16. **This thinker described “myth as social charter” and included social control and political organization in the four basic “instrumental needs.” This thinker compared the sacred and the profane to the title concepts in his essay *Magic, Science and Religion*. In *The Sexual Life of Savages in North-Western Melanesia*, this man (*) challenged the universality of the Oedipus complex. *Coral Gardens and Their Magic* is the final book in a trilogy of works by this ethnographer describing the Trobriand Islanders. For 10 points, name this Polish anthropologist who investigated the reasoning behind the Kula ring in *Argonauts of the Western Pacific*.**

ANSWER: Bronisław Malinowski <KL, Social Science>

17. **In this play, one character puts six candles, each representing ten years, on a birthday cake for a character who would “croak himself” if he took “dat big a breath.” A character in this play describes “feeling as Horace Walpole did about England” when explaining his choice to leave The Movement. A character in this play repeatedly breaks out singing, “The days grow hot, O Babylon!” A character in this play confesses to murdering his wife (*) Evelyn in her sleep, leading another man to confess to betraying his mother before fatally leaping out of a fire escape. A traveling salesman in this play tries to get characters like Don Parritt to give up on their “pipe dreams.” For 10 points, name this play set at Harry Hope’s Saloon, written by Eugene O’Neill.**

ANSWER: *The Iceman Cometh* <DP, Drama>

18. **Despite being a poor base, this ligand's ability to accept electrons from the central metal into an empty pi-star orbital cause complexes with this ligand to have the second highest field splitting behind CH₂ [“C-H-2”]. A compound with this ligand undergoes thermal decomposition in the final step of a process used to purify nickel. The water gas shift consumes water and this compound and produces (*) hydrogen, which maintains a proper ratio of the component gases in syngas. This molecule has a bond with the highest dissociation energy of any bond in a neutral molecule, which is the triple bond between carbon and its only heteroatom, and is commonly produced from incomplete combustion. For 10 points, name this toxic gas with formula CO.**

ANSWER: carbon monoxide [accept CO before read] <CT, Chemistry>

19. **White, blue, yellow, and black each represent the directions of the Four Sacred examples of these things in Navajo myth. It’s not an island, but the Eight Immortals make their home at one of these places called Penglai. Spirits of these places are called apus in Incan mythology. Vasuki is tied around one of these places as the Ocean of Milk is churned. In Hindu myth, one of these places is the home of (*) Shiva. In Greek myth, a figure who tried to reach one of these places stumbled into the Plain of Aleion after a gadfly stung Pegasus. In several South Asian religions, a sacred one of these places is called Meru. For 10 points, name this geographical feature, one of which serves as the home of the twelve primary Greek gods and is called Olympus.**

ANSWER: mountains <DP, Mythology>

20. U.S. Marines landed on the island of Koh Tang in an attempt to rescue a ship captured by this government. A leader of this government only allowed interviews with two journalists, Elizabeth Becker and Nate Thayer. This government was chronicled by Francois Ponchaud in his memoir *Year Zero*. This government's Santebal was overseen by Comrade Duch, who also ran the infamous (*) Tuol Sleng prison. This government perpetuated mass genocide in its killing fields and was led by the Communist Party of Kampuchea. For 10 points, name this Cambodian regime led by Pol Pot, which takes its name from an earlier empire that had its capital at Angkor.

ANSWER: **Khmer Rouge** [accept **Communist Party of Kampuchea** before mentioned; do NOT accept or prompt on “Khmer Empire”] <AN, World History>

Bonuses

1. Name some things about literature in psychology, for 10 points each:

[10] Stanley Milgram conducted experiments where people in a role named for this literary character would shadow his speech. If the person in the role named for this character is shadowing an AI, they are known as an “echoborg.”

ANSWER: **Cyrano** de Bergerac [or **cyranoids**]

[10] Maud Bodkin’s *Archetypal Patterns in Poetry* introduced this psychologist’s theories to literary criticism. This Swiss psychologist defined those archetypes as recurring patterns in the collective unconscious.

ANSWER: Carl **Jung**

[10] The title of a work by psychologist Ernest Jones pairs Hamlet with this character. In *The Interpretation of Dreams*, Freud claims this character’s destiny is universal when posing a problem based on this character.

ANSWER: **Oedipus** [or **Oedipus** complex; or **Oedipal** complex] <AMB, Social Science>

2. Fictitious forces arise in these reference frames. For 10 points each:

[10] Name these reference frames which are accelerating, either linearly or via rotation.

ANSWER: **non-inertial** reference frames [prompt on **accelerating** reference frames or **rotating** reference frames]

[10] One fictitious force arising from a rotating reference frame is this outward-directed force. It is not to be confused with the non-fictitious centripetal [“sen-TRIH-pih-tul”] force.

ANSWER: **centrifugal** force

[10] The magnitude of the centrifugal force is equal to mass times radius times this quantity squared. This quantity denoted lowercase omega is often defined as the derivative of theta.

ANSWER: **angular velocity** [accept **angular speed**; do not prompt on partial answer] <SL, Physics>

3. Harry and Edna forcibly invite themselves to stay at Agnes and Tobias’s house in this author’s play *A Delicate Balance*. For 10 points each:

[10] Name this author, whose other plays include one in which the architect Martin threatens his family stability by falling in love with a goat.

ANSWER: Edward Franklin **Albee** III [The second play is *The Goat, or Who is Sylvia?*]

[10] This play by Albee ends as Jerry impales himself on his knife and reassures Peter that he has “lost [his] bench... but defended [his] honor.”

ANSWER: *The Zoo Story*

[10] The title of Albee’s most famous play asks *Who’s Afraid of* [this author]. This author pioneered stream-of-consciousness writing in novels such as *To the Lighthouse* and *Mrs. Dalloway*.

ANSWER: Virginia **Woolf** [accept Adeline Virginia **Woolf**; accept **Who’s Afraid of Virginia Woolf**] <ML, Drama>

4. In 509 BC, this city’s citizens overthrew the last of their seven kings, Tarquin the Proud, after his son Sextus raped the noblewoman Lucretia. For 10 points each:

[10] Name this Italian city which subsequently established a new republic. It would go on to dominate the Italian Peninsula and eventually the Mediterranean Sea under leaders such as Julius Caesar.

ANSWER: **Rome** [accept **Roma**]

[10] The revolution which overthrew Tarquin was led by these two men, who also went on to become the republic’s first two consuls. One was the nephew of the king and the other was the husband of Lucretia. Name either.

ANSWER: Lucius Tarquinius **Collatinus** or Lucius Junius **Brutus**

[10] Some historians posit that the Romans apocryphally recorded the republic’s founding date as 509 to claim that they had established a republic before *this* Greek statesman, who introduced democracy to Athens in 508.

ANSWER: **Cleisthenes** [accept **Clisthenes**] <CS, Ancient History>

5. The North American Numbering Plan requires that these entities be three digits long. For 10 points each:

[10] Name this component of a phone number, which in most countries is placed at the beginning of the number. It indicates a phone number's geographic location.

ANSWER: **area codes**

[10] Many countries have variable-length area codes, unlike the United States, such as this country whose telecommunications have been regulated by Ofcom since the early 2000s.

ANSWER: **United Kingdom** [accept United Kingdom of **Great Britain** and Northern Ireland; prompt on **England**, **Scotland**, **Wales**, or **Northern Ireland**]

[10] In general, these entities which serve to route a call precede the area code. National ones are often mistakenly considered part of the area code, such as London's 20 ["two-zero"] area code being reported as 020.

ANSWER: **trunk** prefix [accept **trunk** code] <SL, Geography>

6. Raney nickel is derived from an alloy of nickel and this element. For 10 points each:

[10] Name this metal, whose oxide can be extracted from bauxite ["BOX-ite"] via the Bayer process. That oxide can then further be purified into this metal via the Hall-Heroult process.

ANSWER: **aluminum** [accept **Al**]

[10] In the Hall-Heroult process, the aluminum oxide is dissolved into a molten form of this mineral. This mineral is also known as sodium hexafluoroaluminate ["hexa-fluoro-aluminate"].

ANSWER: **cryolite**

[10] A compound made up of aluminum and this element acts as a Lewis acid catalyst in Friedel-Crafts acylation. This element, which in high amounts can form a deadly gas, also helps keep swimming pools clean.

ANSWER: **chlorine** [accept **Cl**] <AN, Chemistry>

7. The main characters of this novel flee to the History House after their cousin, Sophie Mol, drowns in a river. For 10 points each:

[10] Name this novel, in which Estha is taken behind a counter and molested by a man who sells refreshments at a local theater after a showing of *The Sound of Music*.

ANSWER: *The **God of Small Things***

[10] *The God of Small Things* is a novel by this Indian author. In 2017, she published her second novel, *The Ministry of Utmost Happiness*.

ANSWER: Arundhati **Roy**

[10] Estha and his twin Rahel face discrimination because they are half Syrian-Christian and half this religion. Velutha, the title character of the novel, is discriminated against because he is an Untouchable according to this religion's caste system.

ANSWER: **Hinduism** <MO, Long Fiction>

8. Answer some questions about modern art museums. For 10 points each:

[10] Frank Lloyd Wright created a spiraling interior for an art museum with this name in New York City. Another art museum in Bilbao, Spain with this name was designed by Frank Gehry.

ANSWER: **Guggenheim** Museum

[10] A modern art museum in St. Petersburg, Florida, is dedicated entirely to this artist. One of the paintings in its collection uses gadflies to depict the title *Hallucinogenic Toreador*.

ANSWER: Salvador **Dali**

[10] Renzo Piano and Richard Rogers designed this modern art and culture center in Paris, which contains an outdoor staircase. Jean Tinguely created the multicolored Stravinsky fountain to stand outside this museum.

ANSWER: Centre **Pompidou** <HP, Other Visual Arts>

9. Answer the following about the life and times of Ulrich Zwingli. For 10 points each:

[10] Ulrich Zwingli was a prominent figure in the Protestant Reformation in this country. Another Protestant, John Calvin, led a government in its city of Geneva.

ANSWER: **Switzerland**

[10] At the Marburg Colloquy, Zwingli debated with Luther over the nature of this practice. The specific debate centered on whether Jesus's blood and body were present during this sacrament.

ANSWER: **Eucharist** [accept Holy **Communion** or **Lord's Supper**]

[10] Ultimately, Zwingli died at the second one of these wars. These wars were a struggle between the Catholic and Protestant cantons of Switzerland and ended in the Catholic order being re-asserted in Switzerland.

ANSWER: **Kappel** Wars <AN, European History>

10. A quote from this work is sometimes mistranslated as saying "there is nothing outside the text". For 10 points each:

[10] Name this work, translated by Gayatri Spivak. This work focuses on the history of writing, as contrasted with speech, and focuses extensively on Jean-Jacques Rousseau's *Essay on the Origin of Language* in its second half.

ANSWER: ***Of Grammatology***

[10] *Of Grammatology* was a work by this deconstructionist philosopher. Other works by this philosopher include *Writing and Difference* and *Speech and Phenomena*.

ANSWER: Jacques **Derrida**

[10] Derrida's deconstruction has been used by members of a school named for the "post" these types of locations. Gayatri Spivak's "Can the Subaltern Speak" refers to people who lived in these locations, such as her native India under the British Empire.

ANSWER: **colonies** [accept post**colonialism**] <AN, Philosophy>

11. Answer some questions about the French art movement *Les Nabis* ["lay nah-BEE"]. For 10 points each:

[10] The artists of *Les Nabis* were heavily inspired by this post-impressionist and friend of Vincent van Gogh. During his time in Tahiti, this artist painted several depictions of native life, including *Spirit of the Dead Watching*.

ANSWER: Paul **Gauguin**

[10] Paul Serusier created a painting for a cigar box that depicts one of these features underneath yellow trees. Vincent van Gogh painted a version of *Starry Night* that takes place over one of these geographical features.

ANSWER: **river** [accept Rhône **River**]

[10] *Les Nabis* is considered one of the origins of this decorative artistic movement, which sought to emulate nature through curvy, organic designs. French examples of this movement can be seen in the Paris metro entrances created by Hector Guimard.

ANSWER: **Art Nouveau** <HP, Visual Fine Arts>

12. The protagonist of this book is laughed at when she tells her teacher she wants to grow up to be a prophet. For 10 points each:

[10] Name this graphic novel by Marjane Satrapi that details her experiences during the Islamic Revolution.

ANSWER: ***Persepolis***

[10] The graphic novel *Maus* details Art Spiegelman's father's experiences during this event. In *Maus*, Jews during this event are represented by mice and Germans are represented by cats.

ANSWER: the **Holocaust** [or the **Shoah**; prompt on **World War II**]

[10] This author depicted a group of gritty superheroes in the graphic novel *Watchmen*. He also depicted dystopian London ruled by the fascist Norsefire party in his graphic novel *V for Vendetta*.

ANSWER: Alan **Moore** <AMB, Short Fiction/Other Literature>

13. The *TRUST* Act will make it possible for these documents to be released. For 10 points each:

[10] Name these documents which have not yet been released due to the claim that they are under audit, and which Mick Mulvaney claimed will never be released. These documents' owner said that "there's nothing to learn from them."

ANSWER: **tax returns of Donald J. Trump** [accept equivalents such as **Trump's tax returns**]

[10] The *TRUST* Act was signed into law by this state's governor Andrew Cuomo in July 2019. The headquarters of the Trump Organization are located in Midtown Manhattan in this state.

ANSWER: State of **New York**

[10] This chair of the House Ways and Means Committee subpoenaed Trump's tax returns in May 2019. This representative of Massachusetts' first district also served as mayor of Springfield.

ANSWER: Richard Edmund **Neal** <GP, Current Events>

14. A class of organisms with eight shell plates belong to this phylum. For 10 points each:

[10] Name this phylum that includes chitons, snails, and clams.

ANSWER: **Mollusca** [or **molluscs**]

[10] Molluscs, excluding bivalves and some aplousobranchs, possess this feeding structure. The odontophore is the base of this chitinous tongue-like structure.

ANSWER: **radula**

[10] Molluscs like nudibranchs, slugs, and snails are part of this class, which is the most diverse class after Insecta.

ANSWER: **Gastropoda** [or **gastropods**] <KL, Biology>

15. In a particularly amusing anecdote, this politician had to run away from William Sprague after he was caught in bed with Kate Chase. For 10 points each:

[10] Name this New York politician who in the latter part of the 19th century controlled its Customs House. This politician was influential on the national level as well, leading the Stalwarts wing of a certain party.

ANSWER: Roscoe **Conkling**

[10] With the support of Roscoe Conkling, President Ulysses S. Grant appointed this politician as Collector of the Port of New York. This man would later become President upon the death of James Garfield.

ANSWER: Chester Alan **Arthur**

[10] After succeeding Garfield, Chester Arthur passed this act, which Roscoe Conkling deeply opposed. This act did away with the spoils system, promoting the usage of exams to become government employees.

ANSWER: **Pendleton** Civil Service Reform Act <AN, American History>

16. Answer some things about Islamic texts, for 10 points each:

[10] This collection of texts refers to the record of the words, actions, and the silent approval of Muhammad. They were compiled long after his death and forms the bulk of the rules of Sharia along with the Qur'an.

ANSWER: **hadith** [accept **sunnah**]

[10] The Qur'an is divided into 114 chapters, or surahs, which are themselves divided into 6,236 numbered verses known by this term. This word in Arabic means "evidence", "sign", or "miracle"

ANSWER: **ayah** [accept **ayat**]

[10] A hafiz ["**huh-FEEZ**"] is someone who has done this action. This action was performed by Muhammed's disciples and ensured the authenticity of his proclamations despite early Arabic being a non-marked script.

ANSWER: **memorization of the Qur'an** [accept **reciting the Qur'an from memory** and other word forms and obvious equivalents, do not prompt on or accept any answer that does not mention memorization] <SZ, Religion>

17. Emperor Wudi's name means "warlike," which is appropriate given his foreign policy. For 10 points each:

[10] Wudi greatly expanded the territory of this Chinese dynasty, such as with the conquest of northern Korea. He also adopted many of the Legalist ideas established by this dynasty's predecessor, the Qin.

ANSWER: **Han** Dynasty

[10] A large expedition against these people were conducted by Wu in a reversal of the appeasement policies of his predecessors. These nomadic people from the northern steppes frequently raided Han China.

ANSWER: **Xiongnu** ("shi-ong-nu") [prompt on **Huns**]

[10] More successfully, Wu subjugated the kingdom of Nanyue ["nan-YEW-ey"] in the north of what is now this country. That invasion led to this country being under Chinese rule for 150 years before the Trung Sisters' revolt.

ANSWER: **Vietnam** <SL, World History>

18. Contrary to the typical instrumentation of its genre, this work uses a double bass in place of the second violin.

For 10 points each:

[10] Name this 1819 chamber work. Its andantino fourth movement is a set of variations on its composer's song "Die Forelle" ["dee fo-RELL-uh"].

ANSWER: **Trout Quintet** [accept **Piano Quintet** in **A major**, D. 667; accept **Forellenquintett**]

[10] This prolific Austrian composer adapted several of the over 600 *lieder* ["LEE-der"] that he wrote into chamber works, such as the *Trout Quintet* and *Death and the Maiden Quartet*.

ANSWER: Franz **Schubert** [accept Franz Peter **Schubert**]

[10] Schubert adapted his song "Das Wanderer" into an extremely difficult work of this type for piano. A four-movement F minor work of this type by Schubert is written for piano four-hands.

ANSWER: **fantasy** [accept **fantasia** or **fantasie**] <ES, Auditory Fine Arts>

19. Tests for this property include the AKS ["A-K-S"] test, which runs in polynomial time. For 10 points each:

[10] Name this property. A number can be shown to have this property if no number divides it besides 1 and itself.

ANSWER: **primality** [accept word forms like being **prime**]

[10] In addition to running in polynomial time, the AKS primality test is also notable because it has this property, meaning that the test is satisfied if and only if the number is prime without error.

ANSWER: **deterministic** [prompt on **non-random** or **non-probabilistic**]

[10] The correctness of the AKS test depends on a generalization to polynomials of this mathematician's "little theorem," which states that any number raised to a prime, minus that number is divisible by the prime.

ANSWER: Pierre de **Fermat** <SL, Math>

20. The narrator of this poem exclaims "O my chevalier!" and describes "gash gold-vermilion." For 10 points each:

[10] Name this poem that opens, "I caught this morning morning's minion, kingdom of daylight's dauphin, dapple-dawn-drawn."

ANSWER: "The **Windhover**"

[10] The Windhover was written by this Victorian poet known for his use of "sprung" rhythm. He also wrote "Pied Beauty."

ANSWER: Gerard Manley **Hopkins**

[10] In a poem dedicated to "five Franciscan Nuns," Hopkins depicts the wreck of one of these vehicles called the Deutschland. These vehicles are also featured in "The Convergence of the Twain," which is about "the loss of the *Titanic*."

ANSWER: **boat** [or **ship**] <KL, Non-Epic Poetry>