

VCU Closed

February 2, 2013

Packet by Michigan B (Kurtis Droge, Bryan Berend, Peter Jiang, Saul Hankin) and Yale A (Matt Jackson, Kevin Koai, Ashvin Srivatsa, Spencer Weinreich)

**1. One character in this play laments how castle walls cannot stop the spread of lies, to which another character remarks that their neighbors, Daphne and her husband, are chief amongst the gossips that she despises. A maid in this play, thinking that it is a joke, laughs upon hearing about a proposed marriage, much to the chagrin of that match's instigator. At the end of this play, a group of officers that the title character had brought to seize his friend's house (\*) arrest the title character instead. One character in this play hides under a table to observe his friend making advances on his wife, though that character is blackmailed over his possession of a casket of letters. Mariane is allowed to marry Valere at this play's end, while Elmire and Orgon are allowed to keep their estate. For 10 points, name this play about a hypocrite, written by Moliere.**

ANSWER: Tartuffe

**2. This ruler hosted Richard Chancellor in his capital after Chancellor landed on the White Sea coast. During his rule, church reforms were passed by a council called the *Stoglav*, or Hundred Chapters Council, and a law code called the *Sudebnik* was implemented. His eastern campaigns included conquering the khanates of (\*) Astrakhan and Kazan, and on his western border he reached an agreement with Stephan Bathory to end the Livonian War. This man temporarily abdicated after fleeing to Alexandrovsk; when he returned, he divided his realm into the *zemschina* and *oprichnina*. During the reign of this man's successor, Boris Godunov served as regent. For 10 points, name this tsar who was succeeded by his son Fyodor after he accidentally killed his son.**

ANSWER: Ivan the Terrible or Ivan IV [or Ivan Grozny]

**3. This disease is the subject of the "dying-back" model, in which this disease spreads distal to proximal. The main drug used to treat this disease acts upon tetrodotoxin-sensitive sodium channels in order to block stimulation of glutamate receptors; that drug is Riluzole. The G93A mutation in superoxide dismutase 1 is a common cause of the familial form of this disease. The bulbar-onset form of this disease begins with dysarthria and difficulty (\*) swallowing, though most patients suffer from its limb-onset form. Victims of this disease usually die from pneumonia or respiratory failure after the intercostal muscles and diaphragm weaken, and For 10 points, name this neurodegenerative disease in which motor neurons atrophy, whose most famous sufferer was Lou Gehrig.**

ANSWER: ALS [or Amyotrophic Lateral Sclerosis; accept Lou Gehrig's disease till mention]

**4. In one essay, this thinker used the images of two spools, a color spectrum, and the stretching of an infinitely small elastic band to explain one of the central concepts in his thought. In the work that introduced that concept, this philosopher argued that it had to be understood as a qualitative rather than quantitative multiplicity. In another book, he used the image of an inverted cone inserted into a plane, with the summit of the cone representing present perception, to describe (\*) memory. That work is *Matter and Memory*, and this philosopher analyzed the subjective experience of time in his concept of duration. For 10 points, name this French philosopher who wrote *Time and Free Will* and posited the *élan vital* in his *Creative Evolution*.**

ANSWER: Henri Bergson

5. The lines “It means nothing to me” “This means nothing to me” are sung in one song named after this city, which was the biggest hit by Ultravox. A song by The Fray named after this city proclaims “So this is your maverick” after repeatedly claiming that “There’s really no way to reach me” because “I’m already gone.” Though not Seattle, (\*) Owl City claims “my blood cells cannot depend on the weather in photographs” in a song partially named after this city in which they ask it “are you singing” and “are you swinging.” The command “Slow down, you crazy child” begins a Billy Joel song named after this city in which he urges the addressee to “disappear for a while” and wonders when that person will realize that this city “waits for you.” For 10 points, give this city, the namesake of a secession led by Gustav Klimt and some waltzes.

ANSWER: Vienna

6. In a chapter of this book titled “Progressive Dehumanization: The Comfortable Concentration Camp,” the author attributes the new “passivity, softness and boredom in American children” to the title concept. This book criticizes the functionalism of Margaret Mead as promoting the title concept in another chapter. The penultimate chapter argues that the title concept traps certain people in the (\*) physiological level of Maslow’s hierarchy of needs, and this book’s author also criticizes the “Sexual Solipsism of Sigmund Freud” for lending support to the title concept. In this book’s first chapter, its author discusses “the problem that has no name,” namely the widespread dissatisfaction of American housewives. For 10 points, name this classic of second-wave feminism, written by Betty Friedan.

ANSWER: *The Feminine Mystique*

7. The narrator of a recent novel by this author goes to work for the communications magnate Max Monroy while his childhood friend Jericó gets a job throwing patriotic festivals for the masses. That novel, narrated by the decapitated head of Josué Nadal, is entitled *Destiny and Desire*. A historian is asked to compile the memoirs of General Llorente in a novella by this author written in the second person. In another of his novels, (\*) Harriet Winslow is hired to tutor the children of the Miranda family, who have fled from the army of Tomas Arroyo. That novel imaginatively depicts Ambrose Bierce’s death in the Mexican Revolution. For 10 points, name this Mexican novelist, author of *Aura*, *The Old Gringo* and *The Death of Artemio Cruz*.

ANSWER: Carlos Fuentes

8. Slaves in this empire could obtain their freedom by running outside the city walls during a market day and stepping in human feces, because that would show their master’s neglect. One ruler of this empire bore a name that meant “a lord who shows anger and who shoots an arrow into the sky” and weathered a four year drought and a snowstorm upon ascending to power. This empire’s merchant class, or (\*) pochtecas, contained a special subclass designated for trader-spies. Structured into multi-family units called calpulli, this empire’s capital city used chinampas, or floating gardening beds, to increase its agricultural yield, because it was located on an island in Lake Texcoco. It fought the ritualistic Flower Wars against its neighbors, including Tlaxcala, partially to obtain prisoners for human sacrifice. For 10 points, name this pre-Columbian empire ruled by two Montezumas that was conquered by Hernan Cortes.

ANSWER: Aztec Empire

**9. An old man in this film notes that even proverbial “bears come out of the forest when they’re hungry.” Near its end, another character wades in a river while holding a baby and exclaiming “This baby is me!” A young man in this film hides inside doors holding a wooden stick to beat up on entrants. In this film, a kidnapped woman runs back into a burning house upon seeing her husband (\*) Rikichi, and the short-haired peasant Shino is shamed by her father for a premarital affair begun in a forest. Early in this film, a warrior shaves his head and dresses as a monk to rescue a child. After many scenes of attempts to seize muskets, it ends with a rainy battle in which young Katsushiro lives but the wild commoner Kikuchiyo is the last of four hired men to die protecting the village from bandits. For 10 points, name this Kurosawa film in which Kambei recruits the title warriors.**

ANSWER: The *Seven Samurai* [or *Shichinin no Samurai*]

**10. Four of these objects commingle at a point in current-current interactions. The superpartners of these objects are scalars. A function named for these objects gives the occupancy number as one divided by one plus the product of the activity and a Boltzmann factor; as such, the maximum value taken on by that function is one. These particles experience a (\*) repulsive exchange interaction, arising from the requirement that their wavefunctions antisymmetrize under particle exchange. This class of particles which are described by a statistical distribution partially named for Dirac and obey the Pauli exclusion principle. For 10 points, name these particles, examples of which include electrons and quarks, which unlike bosons have half-integer spin.**

ANSWER: fermions

**11. One woman who lived in this city was the mother of Calais and Zetes by her husband Boreas; that woman was Orithyia. Another woman who lived in this city wove a tapestry narrating how her brother-in-law cut out her tongue; that woman was Philomela. Both women were related to a king of this city sometimes said to be half (\*) dragon, Cecrops. While vying to become patron deity of this city, Poseidon created a spring, but was passed over for another deity who made an olive tree grow here. Perhaps the most famous king of this city forgot to replace his ship’s black sails with white ones after leaving Ariadne on Naxos during his return to this city from a successful slaying of the Minotaur. For 10 points, name this city once ruled by Theseus.**

ANSWER: Athens

**12. One character with this name begins a monologue with the lines “If ancient sorrow be most reverent, Give mine the benefit of seniority.” One character with this first name helps to hide her mutinous brother Frederick after moving to an industrialized town where she befriends Mr. Higgins and marries Mr. Thornton. A different person with this name is asked “are you (\*) grieving / Over Goldengrove unleaving” in Hopkins’s poem “Spring and Fall.” The first name of the queen known for her curses in Shakespeare’s *Richard III*, another character with this first name fails to take possession of a house after a letter bequeathing the house to her is burned. That character stands by her husband despite his previous affair, reconciling her sister Helen with her husband, Henry Wilcox. For 10 points, give the first name of the Schlegel sister who is the protagonist of *Howard’s End*.**

ANSWER: Margaret

**13. Symmetric matrices identical to the identity except at two diagonal and two off-diagonal positions cause this transformation; those matrices are named for Givens and see use in Jacobi's algorithm for eigenvalues. In the complex plane, this transformation can be achieved by the action of members of the unitary group of degree 1, or by multiplication by complex (\*) exponentials. Axial vectors pick up a minus sign under the composition of one of these transformations with a reflection. In two dimensions, multiplication by a matrix consisting of cosines and sines corresponds to this transformation. For 10 points, identify this type of transformation that moves a body through a fixed angle.**

ANSWER: rotation

**14. This artist showed a man swinging a sledgehammer in a poster executed as a cover for *The Morse Dial*. This painter showed a seated brunette wearing only a pair of shoes staring out of an open window to her right in one work, while another of his paintings shows a blonde woman bending over to adjust the cloth base of a basket of fruit. He based many of the women in his paintings on the likeness of his wife, Josephine Nivison. This painter of (\*) *Eleven AM* and *Tables for Ladies* showed a woman in a yellow hat sitting alone at a table staring into her cup of coffee in a different work. An advertisement for Phillies Cigars appears near the top of his best known painting, in which three people sit at a diner. For 10 points, name this American artist of *Automat* and *Nighthawks*.**

ANSWER: Edward Hopper

**15. This man was hated by the Jewish population of Naples after he took the city by sneaking a contingent of troops in through an aqueduct. One of his last campaigns was defending a capital from invaders led by Khan Zabergan, while he dispatched his subordinate, known as Bloody John, to raid Tuscany while he was enduring a siege. This man, who was defeated at the Battle of (\*) Sura, was victorious the previous year at the Battle of Dara. His victory at Tricameron came shortly after he defeated three waves sent against him by King Gelimer at the Battle of Ad Decimum. Later, this man successfully repelled a force under Witigis at Rome and he besieged the Ostrogothic capital of Ravenna. He was then recalled and replaced by Narses. For 10 points, name this Byzantine general, constantly mistreated by Justinian.**

ANSWER: Belisarius

**16. In 2011, this man led a boycott against a cellphone company that used Twitter to circulate a cartoon of Mickey Mouse with a beard and Minnie Mouse with a veil. In a statement on his official Facebook page, this leader claimed that he does not accept "that the citizen carries any extra burdens without consent." Before the election in which he was victorious, this man was derided as a "spare tire." This leader's foreign policy adviser (\*) Essam al-Haddad worked with him when he talked with Barack Obama. This man's prime minister Hisham Qandil unveiled a new economic austerity program in order to receive a 4.8 billion dollar loan from the IMF. Following a November 2012 edict giving him powers above his country's courts, this man was denounced by members of his own Freedom and Justice Party, linked to the Muslim Brotherhood. For 10 points, name this current and first elected president of Egypt.**

ANSWER: Mohamed Morsi

**17. One character in this novel reminisces about a time when she was caught shoplifting and how she felt that she let her father down because they had to move out of Akron. This novel's protagonist is called "The Tenor" by the mother of the girl he dates, causing him to be shocked at the number of guys she's gone out with. One climactic scene in this novel comes after a golf trip in Houston, where the parents of this novel's protagonist argue over their lack of communication, leading to their (\*) divorce. The protagonist of this novel is able to mend his friendship with Lazenby and dates Jeannine Pratt after going to counseling sessions with Dr. Berger, which help him deal with the death of his brother Buck and his subsequent suicide attempt. For 10 points, name this novel which ends with a positive relationship between Calvin and his son Conrad, written by Judith Guest.**

ANSWER: Ordinary People

**18. One piece by this composer contains the "Aria Cantilena" which is followed by a "Dansa Martela" section depicting birds. He's not Debussy, but a collection of piano pieces by this composer is made up of pieces that describe different types of dolls and toys. In addition to *A Prole do Bebe*, or *The Baby's Family*, he composed seventeen string quartets as well as a musical portrait of Arthur Rubinstein called (\*) *Rudepoêma*. Another collection by this composer has its first piece scored just for guitar, while the seventh and tenth pieces are subtitled "Setemino" and "Rasga o curacao." A set of nine suites by him depict the "Little Train of Caipira" and the folk music of his native country. For 10 points, name this composer of the *Chôros* and the *Bachianas Brasileiras*.**

ANSWER: Heitor/Hector Villa-Lobos

**19. One mayor of this city came to power in an election where he had his supporters put signs reading he "will fix this" into piles of uncollected garbage around this city; that man was Chep Morrison. The burning of the central buildings ended the racially charged Robert Charles Riots in this city whose water system was designed by A. Baldwin Wood. During the Civil War, this city was captured following the fall of Fort Jackson and Fort St. Philip, and it was subject to a (\*) strict set of laws, including ones that forbade women from speaking back to officers, under its rule by Benjamin Butler. Homer Plessy's most notable train ride began in this city, one battle in which saw William Thornton unable to hold his territorial gains after the rest of Edward Pakenham's troops failed to breach an earthwork. For 10 points, name this city where Andrew Jackson beat the British during the War of 1812, home to the French Quarter.**

ANSWER: New Orleans

**20. An "improper" form of this phenomenon typically arises only in the presence of weak hyperconjugation, and is characterized by a blue-shifted stretching frequency. In molecular mechanics, this phenomenon is modeled by a 10,12 potential, a variant of the Lennard-Jones potential. The (\*) bifluoride anion exhibits a strong form of this phenomenon as part of a three-center four-electron bond. The "i plus k to i" interaction in polypeptides is an example of this phenomenon, and when k equals four, corresponds to an alpha helix. For 10 points, name this phenomenon in which an electronegative atom and a namesake element interact weakly, which explains the high boiling point of water.**

ANSWER: hydrogen bonding

## TIEBREAKER/EXTRA

**21. This man was denied access to the “Blue Room” by Curtis LeMay, who cursed him out for asking whether Wright-Patterson Air Force Base might contain UFOs. This man, whose first book was ghostwritten by L. Brent Bozell, handed two electoral defeats to former Majority Leader Earnest McFarland, the “father of the GI Bill.” He was harmed by a message which ended (\*) “We must love one another, or we must die” after zooming in on the eye of a figure who skips the number six and repeats the number nine twice in trying to count to ten. This dedicatee of the “A Time for Choosing” speech by Ronald Reagan claimed that “Extremism in the defense of liberty is no vice” and was targeted on TV by the “Daisy” ad for his views on nukes. For 10 points, name this hard-line Arizona Republican who lost a presidential election after opposing the recent Civil Rights Act of 1964.**

ANSWER: Barry Morris Goldwater

**22. In one short story, this man created the nuns Edgar and Grace, who confirm the miracle of the title dead girl. In one novel by this author of “The Angel Esmeralda,” Heinrich and his father have a convoluted argument about whether it is raining, and the protagonist shoots Willie Mink, after seeking advice from (\*) Murray Jay Siskind. In another novel, which ends “The future belongs to crowds,” this man created Scott, whose lover Karen has an affair with his boss, the reclusive writer Bill Gray. Another novel by this man describes a trip across a chaotic New York in search of a haircut, made by the billionaire Eric Packer in his limousine. This author created the drug Nyodene D., which may have affected Babette and her husband, a professor of Hitler Studies, Jack Gladney. For 10 points, name this American author of *Mao II*, *Cosmopolis*, and *White Noise*.**

ANSWER: Don DeLillo

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1. This painting's creator visited morgues and hospitals to better understand the appearance of decaying and deceased flesh. For 10 points each:

[10] Name this painting by Theodore Gericault that depicts the survivors of a shipwreck off the African coast on a makeshift naval vessel.

ANSWER: The **Raft of the Medusa**

[10] Another Gericault painting shows four people engaged in this activity at Epsom. An Edouard Manet painting with crowds on either side depicts this activity at Longchamps.

ANSWER: horse rac**ing** [accept equivalents; accept *The 1821 **Derby** at Epsom*; accept Rac**ing** at Longchamps]

[10] Gericault's first breakthrough came with this painting that depicts a French cavalry officer in Napoleonic garb.

ANSWER: The **Charging Chasseur**

2. This region was not colonized by the British or Americans due to the Clayton-Bulwer Treaty. For 10 points each:

[10] Name this region of Central America bordering the Caribbean Sea, that includes the city of Bluefields. Although this region's name refers to a group of natives, it is often spelled after a certain insect.

ANSWER: Mosquito Coast [or Miskito Coast]

[10] The Mosquito Coast lies mostly in this country, whose large namesake lake would be a central part of a proposed waterway connecting the Atlantic to the Pacific.

ANSWER: Nicaragua

[10] Another part of the proposed canal would be this river that separates Nicaragua and Costa Rica. Another river of the same name is a tributary of the Colorado and forms the Goosenecks formation in Utah.

ANSWER: San Juan River [or Río de San Juan]

3. This author satirized the governor of Massachusetts, Thomas Hutchinson, with the character of Rapatio in such plays as *The Adulateur* and *The Group*. For 10 points each:

[10] Name this woman who wrote a *History of the Rise, Progress, and Termination of the American Revolution*. She also encouraged her husband to become active in the Committees of Correspondence.

ANSWER: Mercy Otis Warren

[10] Abigail Adams wrote that there could be no dispute that "your Sex" is "Naturally Tyrannical" in a letter to her husband known by this three word phrase that she encourages him to do when designing a Code of Laws.

ANSWER: "Remember the Ladies"

[10] Another writer active around the time of the American Revolution was this man, who advocated deism and attacked revelation in *The Age of Reason*. He also wrote *Common Sense* and *The Crisis*.

ANSWER: Thomas Paine

4. Answer some questions about methods that plants use to adapt to dry conditions, for 10 points each:  
[10] The spines on a cactus are actually modified versions of this plant part, which in desert plants is often covered by a waxy cuticle. These features of a plant hang from the end of a petiole and are responsible for photosynthesis.

ANSWER: **Leaf** [or **leaves**]

[10] Desert plants often use this form of carbon fixation, in which CO<sub>2</sub> is collected during the night to form malate, which is then used for photosynthesis during the day.

ANSWER: **CAM** [or **Crassulacean acid metabolism**]

[10] This is the name given to plants that have adapted to surviving in dry climates. Among their adaptations include sunken pits for their stomata.

ANSWER: **xerophyte**

5. This text claimed that the School of Resentment sought to enlarge the title collection of works at the expense of the validity of that unit. For 10 points each:

[10] Name this work of literary criticism by Harold Bloom that outlined 26 authors that were core to literary tradition.

ANSWER: *The* **Western Canon**

[10] Among Bloom's upcoming works may be a play about this poet who wrote that "I do not know whether others behold what I behold" in his poem "A Broadway Pageant." Many of his poems appeared in *Leaves of Grass*.

ANSWER: Walt **Whitman**

[10] Bloom argued that Romantic poets contrasted themselves with the ideas of Milton in this volume, subtitled "A Theory of Poetry," in which he claims that poets are bound to build their ideas off of previous poets' work.

ANSWER: *The* **Anxiety of Influence**

6. Answer the following about Navajo mythology, for 10 points each.

[10] Some Navajo tales feature this trickster animal of the Southwest, which threw bags of stars upwards to make the Milky Way. Other peoples claim he made humans from a ball of mud.

ANSWER: **Coyote**

[10] This natural phenomenon is wielded via bows and arrows by the Navajo Hero Twins, Monster-Slayer and Child-Born-From-Water.

ANSWER: **lightning** [or **thunderbolts**; do not accept "thunder" alone since the sound is not killing monsters]

[10] The Navajo believe humans used a giant one of these plants to climb up to the present-day Fourth World from the flooded underground Third World. Aaru, a field full of them, is the best area in the Egyptian next world.

ANSWER: **reeds**



7. David Rizzio was this woman's secretary, and was killed by her second husband, Lord Darnley, who suspected them of adultery. For 10 points,

[10] Name this Renaissance royal, daughter of King James V and mother of King James VI of a certain European country, a rival to her cousin Elizabeth I.

ANSWER: **Mary, Queen of Scots** [or **Mary Stuart**, or **Mary I of Scotland**, prompt on **Mary I**]

[10] Mary's third husband was this Scottish lord, who may have helped eliminate Lord Darnley. He died imprisoned by Frederick II of Denmark for jilting Anna Thronsdens.

ANSWER: James **Hepburn**, [or the Duke of **Orkney**; or the Earl of **Bothwell**]

[10] Mary was wedded to both Darnley and Bothwell at the castle that takes its name from this area of Edinburgh. The Scottish parliament is often known by this demonym.

ANSWER: **Holyrood** Palace

8. According to the Bohr-van Leeuwen theorem, this property of a classical solid must vanish. For 10 points each:

[10] Identify this property of matter that measures the density of a certain kind of dipole moment. Statically, its divergence is equal to the negative divergence of the H-field.

ANSWER: **magnetization** [or **magnetic polarization**; do not accept anything else]

[10] Due to quantum effects, this type of magnet can exist, in which the magnetization depends hysteretically on the applied magnetic field. This phenomenon vanishes above the Curie point, and is found in materials like cobalt.

ANSWER: **ferromagnetism** [or word forms]

[10] One model for the quantum origin of ferromagnetism is the Ising model, which consists of a lattice on which each point can take a value of plus or minus one for this property. All particles in a magnetic domain have matching values of this property.

ANSWER: **spin**

9. Ricky Gervais occasionally appears in this man's current TV show as the protagonist's inappropriate doctor, and that protagonist's futile love interest is played by Pamela Adlon. For 10 points each:

[10] Name this actor and comedian, creator and star of a namesake show on FX, whose stand-up comedy specials include *Chewed Up* and *Shameless*.

ANSWER: Louis **C.K.** [or Louis **Szekely**]

[10] C.K. wrote and directed this 2001 blaxploitation spoof starring Lance Crouther, which developed out of a sketch he wrote for *The Chris Rock Show*.

ANSWER: **Pootie Tang**

[10] Louis C.K. voiced, and provided the visual model for, the divorced father of this character on *Home Movies*. This protagonist of the series is the director and cameraman of the films and is named for the *Home Movies* co-creator who went on to create *Metalocalypse*.

ANSWER: **Brendon** [or Brendon **Small**]

10. Answer the following about religious hand signs, for 10 points each.

[10] In Eastern Orthodoxy, the Old Believers insist on using only two fingers for this gesture. In Catholicism it accompanies the words "Patris," "Filii," and "Spiritūs Sancti" with an up-down-left-right motion.

ANSWER: the sign of the **cross** [or **signum crucis**; or making a **cross**; or **crossing** oneself]

[10] This class of Jews has a sacred V-shaped hand sign made by spacing the middle and ring fingers, like Spock. During a Torah service, one of these descendants of Aaron is called up first, before a Levite.

ANSWER: **kohanim** [or **kohens**; prompt Jewish **priests**]

[10] Tantra recognizes 108 of these sacred Indian gestures, most of which are performed with the hands.

ANSWER: **mudras** [or **chakgya**]

11. Eleanor is disappointed to find that her children make up violent tales during their play sessions, even when given action figures of authors and philosophers, in this author's story "The Toys of Peace." For 10 points each:

[10] Name this author of "The Open Window" and "Sredni Vashtar."

ANSWER: **Saki** [or H.H. **Munro**]

[10] Saki's story "The Interlopers" ends with the recently reconciled heads of two warring families dying in this manner.

ANSWER: being **eaten** by wolves

[10] Another British humorist was this creator of Psmith and the Drone Club, who also worked on the material that became the musical *Anything Goes*.

ANSWER: P.G. **Wodehouse**

12. One important incident in this man's reign was the assassination of Inukai Tsuyoshi, which allowed for more direct government control of the military. For 10 points each:

[10] Name this emperor of Japa, who delivered the Jewel Voice Broadcast to declare his nation's surrender in World War II.

ANSWER: **Hirohito** [or Emperor **Showa**]

[10] The instigators of this 1936 coup attempt, named after the day on which it occurred, wished to purge several members of Hirohito's cabinet, including Okada Keisuke.

ANSWER: **February 26** Incident

[10] Hirohito's regime was buttressed by the Kempeitai, a Japanese agency of this kind. Other agencies of this function included the Iranian SAVAK and the the Albanian Sigurimi.

ANSWER: **secret police**

13. Ralph Vaughan Williams's composition of this title is written for three string orchestras of different skill levels, and Alfred Schnittke wrote six pieces in this genre. For 10 points each:

[10] Name this genre of orchestral composition that arose during the Baroque period, which features interplay between a *ripieno* group and a small group of soloists.

ANSWER: **concerto grosso**

[10] This Italian composer of twelve concerti grossi is often credited with developing the genre. His most famous piece is the *Christmas Concerto*.

ANSWER: Arcangelo **Corelli**

[10] Another set of concerti grossi was written by this German composer of *The Well-Tempered Clavier* and the *Goldberg Variations*.

ANSWER: **Johann Sebastian Bach** [prompt on **Bach**]

14. This scientific endeavor was initiated partially as a result of a letter written by Szilard and Wigner. For 10 points each:

[10] Name this weapons project headed by J. Robert Oppenheimer, which culminated in the successful Trinity test at Alamogordo.

ANSWER: the **Manhattan** project

[10] The uranium used in the Manhattan project was enriched at this costliest facility of the project, home to the X-10 graphite reactor. It is now home to the Spallation Neutron Source.

ANSWER: **Oak Ridge** (National Laboratory)

[10] A few decades later, China tested its first nuclear weapon, codenamed 596, at this dried up lake.

ANSWER: **Lop Nur**

15. Early in this essay, the author argues that intellectualism is a “protective organ” that develops in response to the fluctuations and discontinuities of the title locations. For 10 points each:

[10] Name this sociological essay that argues that the intensification of stimuli in the title location results in the decline of emotional life and the development of a “blasé outlook.”

ANSWER: “The **Metropolis and Mental Life**” [or *Die **Großstadt und die Geistesleben***]

[10] “The Metropolis and Mental Life” was written by this German sociologist, author of *The Philosophy of Money*.

ANSWER: Georg **Simmel**

[10] Simmel was one of the co-founders of the German Sociological Association along with Ferdinand Tönnies and this author of *The Protestant Ethic and the Spirit of Capitalism*.

ANSWER: Max **Weber**

16. This poem states that “Though nothing can bring back the hour / Of splendor in the grass, of glory in the flower; / We will grieve not, rather find / Strength in what remains behind.” For 10 points each:

[10] Name this poem that asks “Where is it now, the glory and the dream” after the time had passed when “every common sight, / To me did seem / Apparell’d in celestial light.”

ANSWER: “**Ode: Intimations of Immortality** from Recollections of Early Childhood”

[10] “Ode: Intimations of Immortality” was written by this poet who collaborated with Coleridge on *Lyrical Ballads* and also penned the Lucy Poems.

ANSWER: William **Wordsworth**

[10] Wordsworth wrote that “The City now doth like a garment wear / The beauty of the morning” in a poem titled “Upon” one of these structures. A long poem titled after one of these structures contains sections like “Powhatan’s Daughter” and “Cape Hatteras.”

ANSWER: **Bridge** [accept “Upon Westminster **Bridge**”]

17. This aria is sung by the mother of the title character. For 10 points each:

[10] Name this aria, in which that woman wonders how a group of gift givers cannot understand the troubles of the poor and proceeds to be caught while stealing some of the namesake substance.

ANSWER: “**All that Gold!**”

[10] “All that Gold!” and “This is my box” are arias from this opera, in which the title character is cured of an ailment after giving a gift of his only possession to King Melchior.

ANSWER: **Amahl and the Night Visitors**

[10] *Amahl and the Night Visitors* was written by this composer, who also wrote an opera about a woman who has religious visions, *The Saint of Bleeker Street*.

ANSWER: Gian Carlo **Menotti**

18. This family was responsible for restoring descendants of Charles VIII to the throne of Sweden, and one member served as foreign minister to Charles XI. For 10 points each,

[10] Name this prominent clan, whose members include Bengt, regent of Sweden after the reign of Charles VIII, and Axel, advisor to Gustavus Adolphus and Christina.

ANSWER: the **Oxenstierna** family

[10] Among the other regents after Charles VIII's reign were two different men with this name. The "Elder" of the two secured the Swedish throne for Christian I of Denmark.

ANSWER: Sten **Sture**

[10] Christian ruled Sweden together with Denmark and Norway in this single, combined polity.

ANSWER: **Kalmar** Union [or **Kalmarunionen**]

19. These entities are called unconfined when their upper boundary is water that is present above ground, such as a stream or an oasis. For 10 points each:

[10] Name these layers of water-containing material in the earth's crust.

ANSWER: **aquifers**

[10] This term refers to confined aquifers with positive pressure. It can also refer to wells made that tap such an aquifer and which can appear to produce water naturally.

ANSWER: **artesian** aquifers [or **artesian** wells]

[10] Piezometric wells are used to measure this quantity in an aquifer, which is the height that the water rises in a piezometer. It's a proxy for pressure.

ANSWER: hydraulic **head**

20. According to the novel that he titles, this character lives "in a place whose name I do not care to remember" in the area of La Mancha. For 10 points each:

[10] Name this hopeful knight who rides the horse Rocinante and wanders around the countryside thinking of his love, Dulcinea.

ANSWER: Don **Quixote** [or Alonso **Quijano**]

[10] While in the company of some goatherds, Don Quixote is related the story of this shepherd who died of heartbreak because of being spurned by his love, Marcela. At this man's funeral, Marcela claims that she cannot be held accountable for her own beauty.

ANSWER: **Chrysostom**

[10] Don Lorenzo relates to Don Quixote a sonnet about this pair of lovers who talk through a gap in the wall between their houses but end up both committing suicide in a misunderstanding, thus turning mulberry fruit into a new color.

ANSWER: **Pyramus** and **Thisbe** [both required, order not important]

21. On several occasions, these people withdrew from the city of Rome, which is referred to as their namesake "secessions." For 10 points each:

[10] Name these members of Rome's general citizenry contrasted with the patricians.

ANSWER: **plebeians** or **Plebs** or **Plebes**

[10] The tensions between plebeians and patricians during the plebeians' campaign for civil rights is given this name.

ANSWER: **Conflict of the Orders** [or **Struggle of the Orders**]

[10] The Conflict of the Orders was resolved in 287 BCE when this plebeian dictator issued his namesake law making plebiscites binding on all Roman citizens.

ANSWER: Quintus **Hortensius**