

## Detroit Country Day Academic Regular Tournament II

### Finals Packet 2

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Special thanks to Neil Gurram



1. **In the story “The Summer Night” from Ray Bradbury’s *The Martian Chronicles*, a singer recites part of this poem’s first stanza before being gawked at for speaking English. A “nameless grace” that “waves in every raven tress” is praised in this poem, which describes “the smiles that win” and “the tints that glow.” This poem’s addressee possesses “a mind at peace with all below” and “a heart whose love is (\*) innocent.” This poem, which was inspired by its poet’s cousin Anne Beatrix Wilmot, describes “cloudless climes and starry skies.” For 10 points, name this poem describing a woman performing the title action “like the night” by Lord Byron.**

ANSWER: “**She Walks in Beauty**”

<British Literature, Melkumian>

The final movement of this piece, “Praise to the Immortality of Jesus,” was based on “Diptyque,” [deep-teek] an earlier piece by its composer. For 10 points each:

[H] Name this piece which depicts a blackbird and nightingale in its first movement, reflecting its composer’s expertise in ornithology. The premiere of this piece used a three-stringed cello.

ANSWER: “**Quartet for the End of Time**”

[M] This French composer wrote “Quartet for the End of Time” while imprisoned in a prisoner-of-war camp during World War II.

ANSWER: Olivier **Messiaen** [meh-see-AHN]

[E] Before his capture, Messiaen played this instrument at the Église de la Sainte-Trinité [ay-GLEEZ duh sahn-tree-nee-TAY] in Paris. This keyboard instrument makes sound using the air blown through its pipes.

ANSWER: **organ** [or pipe **organ** or church **organ**]

<Classical Music, Guo> [Ed. Bowman]

2. **This leader’s supporters used the motto “one, great, and free” in a song titled “Facing the Sun.” A party supporting this leader listed out its goals in the 26 Points Manifesto. It wasn’t in West Germany, but this leader oversaw an economic “miracle” starting in 1959 following the removal of many technocrats from power. This leader merged his party with the (\*) monarchist Carlists. The Nazi-sponsored Condor Legion helped this leader take power. This leader’s appointed successor, Juan Carlos I, helped transition his country to democracy. For 10 points, name this leader of the Falange Party who won the Spanish Civil War.**

ANSWER: Francisco **Franco** (Bahamonde)

<European History, Li> [Ed. Gayden]

Answer the following about folds in geology. For 10 points each:

[M] Folding occurs when rocks with high values of this property experience plastic deformation. This property measures how easily a material can be stretched into a wire.

ANSWER: **ductility** [accept word forms like **ductile**; do NOT accept or prompt on “malleability”]

[H] The angle of a fold is found by measuring this quantity on each side of the fold axis. This quantity, often paired with strike, is the steepest angle of a rock bed relative to the horizontal.

ANSWER: **dip**

[E] Folds are classified as synclines or anticlines based on whether this quantity is highest near the fold axis. This quantity can be determined using index fossils or through the decay of radioactive isotopes.

ANSWER: **age** [accept **time**; accept equivalents like how **old** the rock is]

<Earth Science, Yin> [Ed.]

3. **U.S. law requires that a form of procedure be preceded by a digoxin [dih-JOX-in] injection to arrest one process. That form of this procedure often breaks a structure into pieces before pulling it out with a vacuum. Another type of this procedure uses misoprostol [my-suh-PRAH-stul] in conjunction with mifepristone [mif-uh-PRISS-tohn], whose distribution by (\*) mail received FDA approval in 2021. A kind of this procedure performed after 20 weeks of gestation [jes-TAY-shun] is referred to as “late-term.” For 10 points, name this procedure that removes an embryo or fetus from the womb, thus terminating a pregnancy.**

ANSWER: (induced) **abortion** [accept subtypes such as surgical **abortions**; accept answers describing **terminating a pregnancy** before it is read; accept **dilation and evacuation** before it is read; do NOT accept or prompt on “spontaneous abortion” or “miscarriage”]

<Biology, Bajji> [Ed. Yin]

The protagonist of this novel is given the uniform of a dead French hussar by a jailor’s wife after escaping from prison. For 10 points each:

[M] Name this Stendhal novel in which Fabrizio del Dongo retreats to the title monastery after the death of Clelia Conti and her child.

ANSWER: ***Chatterhouse of Parma***

[E] Stendhal also wrote *The Life of Henry Brulard*, a book in this genre describing his unhappy childhood. Journalist Alex Haley helped ghostwrite a book in this genre by Malcolm X about his experiences with the Nation of Islam.

ANSWER: **autobiography** [accept *The Autobiography of Malcolm X*; prompt on **biography**; do NOT accept or prompt on “memoir”]

[H] Stendhal’s novel *The Red and the Black* ends with Mathilde de la Mole recreating a story about Queen Margot by kissing and burying this object.

ANSWER: Julien Sorel’s **head**

<European Literature, Guo>

4. **A solo played by this instrument opens “Pursuance”, the third section of Coltrane’s *A Love Supreme*. One player of this instrument recorded the albums *The Roar of ‘74* and *Mercy, Mercy*, and “battled” another player of this instrument at a 1952 *Jazz at the Philharmonic* concert. It’s not the bass, but another player of this instrument recorded “Moanin” with his Jazz Messengers. This instrument, played by (\*) Gene Krupa and Art Blakey, opens Benny Goodman’s version of “Sing Sing Sing.” A typical jazz trio consists of piano, bass, and this instrument. For 10 points, name this instrument whose components include the hi-hat, snare, and cymbals.**

ANSWER: **drums** [accept **drum sets** or **drum kits**]

<Jazz, Yang> [Ed.]

During Prohibition, this city was dubbed the “Free State” due to attracting tourists with the promise of illegal alcohol. For 10 points each:

[H] Name this city, whose tourism during Prohibition helped rebuild its economy after it suffered the deadliest natural disaster in American history in 1900.

ANSWER: **Galveston**, Texas [accept the Free State of **Galveston**]

[M] Galveston is the home of the Maison Rouge, which served as the base for pirate Jean Lafitte. Jean Lafitte received a pardon for his activities after aiding American forces in defeating Edward Pakenham at this battle.

ANSWER: Battle of **New Orleans**

[E] In the early 20th century, Galveston was home to an influx of Jewish refugees fleeing pogroms in this empire. The white emigrés left the land once controlled by this empire after a 1917 revolution put the Bolsheviks in power.

ANSWER: **Russian** Empire

<US History, Nageswaran> [Ed.]

5. **The inverse of  $x$  times this function of  $x$  is the Lambert  $W$  function. The integrand is multiplied by this function of negative  $s$   $t$  in a Laplace transform. One-half of the sum of this function of  $x$  and this function of negative  $x$  equals the hyperbolic cosine. The coefficient of the  $n$ th term of this function’s Taylor series is equal to one over  $n$  (\*) factorial. Up to a constant factor, this function is the only one equal to its own derivative. This function is commonly used to model compound interest, and its inverse is the natural logarithm. For 10 points, name this function that equals Euler’s number raised to the power of the input.**

ANSWER: **exponential** function [or **e to the  $x$**  or **e to the power of  $x$** ; prompt on **antilogarithm**]

<Math, Wu> [Ed.]

Answer the following about animals in children’s picture books. For 10 points each:

[E] Eric Carle wrote a book about a “very hungry” one of these insects eating many foods and getting a stomach ache before metamorphosing into a butterfly.

ANSWER: **caterpillar** [accept *The Very Hungry Caterpillar*]

[M] This English writer wrote a book in which the title animal is chased by Mr. McGregor after entering his garden to eat vegetables.

ANSWER: Beatrix **Potter** [the book is *The Tale of Peter Rabbit*]

[H] The title teddy bear of this Don Freeman book, who is named after a type of fabric, tries to find his missing button in an empty department store.

ANSWER: **Corduroy**

<Mixed/Other Literature, Joshi>

6. **Three repeated commands involving these animals in John 21 contrast the three denials of Jesus by Peter. Nathan analogizes David’s adultery with Bathsheba to a story involving one of these animals. In a parable, a man leaves 99 of these animals and rejoices when he finds the one lost one. In Matthew 25, Jesus says that his true followers will be separated out from others, like these animals from (\*) goats. In Exodus, those who marked their doorposts with the blood of these animals survived the death of their firstborn. Jesus is sometimes considered to be *Agnus Dei*, meaning this animal “of God.” For 10 points, name these animals that David tended as a shepherd.**

ANSWER: **sheep** [or **lambs**; accept **ewes** or **rams**; prompt on *Agnus Dei* until read]

<Religion, Suh> [Ed.]

Answer the following about the design of the first artificial nuclear reactor, Chicago Pile-1. For 10 points each:  
[E] Chicago Pile-1 generated energy from a self-sustaining form of this process in which nuclei are split. This process is often contrasted with fusion.

ANSWER: nuclear **fission**

[H] Cadmium control rods were used because of their ability to perform this process, thus reducing the rate of fission. Boron-10 is used in radiation shielding because it can perform this process.

ANSWER: **neutron capture** [accept equivalents such as **absorbing neutrons**; prompt on **capturing** or **absorbing**; do NOT accept or prompt on “(neutron) moderation”]

[M] Unlike most modern reactors, the uranium used in the Chicago Pile-1 was “natural” and had not undergone this process. This process historically was performed through diffusion methods, as opposed to modern gas centrifuges.

ANSWER: uranium **enrichment**

<Physics, Chapman> [Ed. Liu]

7. **The speaker of a poem titled for one of these things wishes to “fling [his] arms wide” in the “face of the sun.” The speaker of a different poem asks, “Good morning, daddy! Ain’t you heard / The boogie-woogie rumble of [one of these things]?” in a poem from a collection titled for a *Montage of [them]*. Another poem claims that if these title things (\*) die, then “Life is a broken-winged bird / That cannot fly.” The speaker of another poem by the same author asks if one of these things “stink[s] like rotten meat...fester[s] like a sore” or “does it explode?”**

Langston Hughes’ “Harlem” asks “What happens to,” for 10 points, what type of thing “deferred”?

ANSWER: **dreams** [accept **dream** deferred; accept “**Dream** Boogie” or “**Dream** Variations” or *Montage of a **Dream** Deferred*]

<U.S. Literature, Joshi> [Ed.]

In Cicero’s *On the Commonwealth*, which is modeled on Plato’s *Republic*, Scipio Aemilianus describes one of these events in which Scipio Africanus shows him nine celestial spheres and the “music” thereof. For 10 points each:

[E] Name this sort of event. Zhuangzi famously wondered whether he was having one of these things about being a butterfly, or if he was in fact the subject of one of these usually nocturnal events undergone by a butterfly.

ANSWER: **dreams** [accept **visions**; prompt on **sleep**]

[M] In another philosophical work by Cicero, he describes what is honorable to his son Cicero Minor in a work titled for these things, *De Officiis*. “Deontological” ethics emphasize the moral primacy of these things.

ANSWER: **duties** [or **duty**; accept **obligations** or other synonyms of “duty”; do NOT accept or prompt on, and do NOT otherwise reveal, “laws”]

[H] Yet another of Cicero’s philosophical works is based on and titled for this Platonic dialogue, one of the few without Socrates, in which a Cretan politician enlists an “Athenian Stranger” to help create the “second-best city.”

ANSWER: (On) *The **Laws*** [accept **Nomoi**; accept *De **Legibus***; accept any answer indicating **laws** or **nomos/nomou** or **lex/legis**]

<Philosophy, Golfinos> [Ed.]

8. **A commander in this war nicknamed the “Red Prince” led a group of Chinese workers during the Lynch Expedition. Negotiations to end this war failed during the Lackawanna Conference, where one side demanded the return of the *Rimac* steamer and the Tarapacá [ta-ra-pa-KAH] province. Miguel Grau commanded the (\*) *Huáscar* during this war’s Battle of Iquique. The Treaty of Ancón settled territorial claims between Peru and Chile following this war. Bolivia became a landlocked country after, for 10 points, which 1879 war fought over deposits of saltpeter and guano, named for the world’s largest ocean?**

ANSWER: War of the **Pacific** [or Guerra del **Pacífico**; or **Salt peter** War or Guerra del **Salitre** before “saltpeter” is read; do NOT accept or prompt on “Guano War”]

<World History, Gayden> [Ed. Nageswaran]

The creator of this work replaced it with “Fugit Amor” in a larger work because it did not fit the theme of the rest of the work. For 10 points each:

[M] Name this sculpture showing Francesca da Rimini and Paolo Malatesta embracing.

ANSWER: *The **Kiss*** [or *Le **Baiser***]

[H] This sculpture, inspired by an earlier Carpeaux sculpture of a man biting his own fingers, shows a starving aristocrat on his knees crawling over his dead children.

ANSWER: ***Ugolino and His Sons***

[E] Both *Ugolino and His Sons* and *The Kiss* were created by this man as part of his work “The Gates of Hell,” which also includes his sculpture *The Thinker*.

ANSWER: Auguste **Rodin** [or François Auguste René **Rodin**]

<Sculpture, Guo> [Ed.]

9. **This process is catalyzed by metallocene complexes named for Walter Kaminsky. The Kuhn [koon] length models the products of this process, whose “ring-opening” type often uses caprolactam as the input. The degree of this process equals 1 over the quantity 1 minus  $p$ , by the Carothers equation. This process is performed using terminal (\*) alkenes [AL-keenz] by catalysts named for Ziegler and Natta. Initiation, propagation, and termination are the three steps of the “chain-growth” variant of this process. For 10 points, name this class of reactions that form macromolecules by combining monomers.**

ANSWER: **polymerization** [accept equivalents like making **polymers**; accept alkene **polymerization** or ring-opening **polymerization** or degree of **polymerization** or chain-growth **polymerization**; prompt on synthesis of **nylon**]

<Chemistry, Chapman> [Ed.]

In July 2021, over 300 people were killed in this country following the outbreak of civil unrest in its Gauteng and KwaZulu-Natal provinces. For 10 points each:

[E] The violence mainly broke out in this country’s cities of Durban and Johannesburg.

ANSWER: **South Africa** [or Republic of **South Africa** or **RSA** or Republiek van **Suid-Afrika**; prompt on **SA**]

[M] The unrest began following the arrest of this former President of South Africa from 2009 to 2018 for his contempt of court during his legal battles involving his corruption.

ANSWER: Jacob (Gedleyihlekisa) **Zuma**

[H] This current President of South Africa succeeded Zuma following his resignation and played a key role in ridding the government of corruption from Zuma’s cabinet.

ANSWER: (Matamela) Cyril **Ramaphosa**

<Current Events, Peela> [Ed.]

10. **The Mintaka Pass was rejected as a route for this mountain range’s namesake highway. This range’s namesake pass is west of Aksai Chin. This range’s Baltoro Glacier lies south of a peak in this range first ascended by Lino Lacedelli and Achille Compagnoni with aid from Hunza natives, nicknamed the (\*) “Savage Mountain.” This mountain range’s eastern portion contains the Siachen Glacier. The Pamir Mountains mark the western boundary of this mountain range, which lies parallel to the Himalayas. For 10 points, name this mountain range that contains the second tallest peak in the world, the “K” in K2.**

ANSWER: **Karakoram** Mountains [or **Karakoram** Range or **Karakorams**; do NOT accept or prompt on “Himalayas” or “Himalaya Mountains”]

<Geography, Gayden> [Ed. Ma]

Jack Ferguson rescues Mabel Pervin from a pond near Oldmeadow in a story by this author. For 10 points each:  
[M] Name this author of “The Horse Dealer’s Daughter” who wrote about Elizabeth Bates discovering the death of her husband in a coal mining accident in “Odour of Chrysanthemums.”

ANSWER: D. H. **Lawrence** [or David Herbert **Lawrence**]

[H] In Lawrence’s “The Rocking-Horse Winner,” the gardener Bassett places Paul’s bet on this horse. Paul repeatedly screams, “It’s [this horse]!” before dying in the night.

ANSWER: **Malabar** [accept “It’s **Malabar**!”]

[E] “The Rocking-Horse Winner” begins by describing Hester, who tells her son Paul, “If you’re lucky, you have [this stuff].” Hester then claims that she would rather be lucky than rich, because rich people have a lot of this stuff to lose.

ANSWER: **money** [accept **cash**; accept equivalents like **wealth** or **coins**; accept “there must be more **money**”]  
<British Literature, Melkumian> [Ed.]

11. **A curled-up black cat and a small table with wine glasses sit on either side of two men playing chess in one of this artist’s paintings while the artist’s father Benjamin looks on. This artist depicted a man carrying a bucket walking behind a boxer waving to a crowd in another painting. This artist of *The Chess Players* and *Salutat* depicted his friend in a boat on the (\*) Schuylkill River in *Max Schmitt in a Single Scull*. In another painting by this artist, a woman looks away in disgust from an ongoing surgical operation. For 10 points, name this American realist painter of *The Gross Clinic*.**

ANSWER: Thomas (Cowperthwait) **Eakins**

<Painting, Joshi> [Ed. Sun]

Lieutenant-Colonel Herbert Jones was posthumously awarded the Victoria Cross after being killed during this battle, which was prematurely announced by a BBC broadcast. For 10 points each:

[H] Name this battle, which began with the HMS *Arrow* firing star shells at its namesake settlement. The nearby settlement of Darwin was also assaulted during this battle.

ANSWER: Battle of **Goose Green**

[M] The Battle of Goose Green took place during this conflict, which also involved the invasion of South Georgia island. *The Sun* printed the headline “Gotcha!” after the *General Belgrano* was sunk during this war.

ANSWER: **Falklands** War

[E] Soon after this country’s defeat by the British during the Falklands War, its dictator Leopoldo Galtieri was removed from power. Earlier leaders of this South American country include Juan Perón.

ANSWER: **Argentina** [or the **Argentine** Republic]

<World History, Joshi> [Ed. Nageswaran]

12. **In Siberia, residents attempted to fight against one of these events using saws and shovels. Tourists were evacuated by boats in the popular resort town of Bodrum following one of these events named Manavgat. A couple was charged with involuntary manslaughter for causing one of these events during a (\*) gender reveal party. One of these events heavily affected the states of New South Wales and Victoria in early 2020 due to a record-breaking drought. For 10 points, name these often man-made disasters, one of which has burned over 900,000 acres of land in California.**

ANSWER: **wildfires** [accept **forest fires** or **bushfires**; prompt on **fires** with “what kind of fire?”]

<Current Events, Madugula and Peela>

In 2021, this player became the first pitcher to be elected to the Home Run Derby. For 10 points each:

[M] Name this designated hitter, the winner of the 2018 AL Rookie of the Year. Stephen A. Smith was criticized for stating that this Japanese player shouldn't be the face of the MLB because he uses an interpreter.

ANSWER: Shohei **Ohtani**

[E] Shohei Ohtani plays alongside Mike Trout for this southern California team. It's not the Dodgers, but this team is based in Anaheim.

ANSWER: Los Angeles **Angels** [prompt on Los Angeles]

[H] The Los Angeles Angels defeated this team in the ALCS to win their only World Series in 2002. Catcher Joe Mauer [MOW-er] played his entire 15 year career with this team.

ANSWER: **Minnesota Twins** [accept either underlined portion]

<Sports, Joshi> [Ed.]

13. **In a novel from this country, the Lambs and the Pickles live together in the title house. Mary Hare lives in an estate called Xanadu on the outskirts of Sarsaparilla in another novel set in this country. A literary prize given in this country is named for Miles Franklin. In one novel from this country, the Courtney Family adopts Hurtle Duffield, who paints the title magnum opus. Besides *Cloudstreet* and (\*) *Riders in the Chariot*, one author from this country wrote about the relationship between Laura Trevelyan and the title German explorer. *The Vivisector* and *Voss* are set in, for 10 points, what country's Outback?**

ANSWER: **Australia** [or Commonwealth of **Australia**]

<World Literature, Melkumian> [Ed.]

The phylum Ascomycota performs this task using asci [ASK-eye], which form after two types of mycelia [my-SEE-lee-uh] fuse. For 10 points each:

[M] Name this task that can be performed through fragmentation or the dispersal of conidia [koh-NID-ee-uh]. Yeasts perform this task via budding.

ANSWER: **reproduction** [accept sexual or asexual **reproduction**; accept equivalents like **reproducing**; prompt on cell divison]

[E] Both Ascomycota and yeasts belong to this kingdom of organisms. The cell walls of these organisms are made of chitin [KYE-tin].

ANSWER: **Fungi** [or **fungus**]

[H] The asci of this model organism are often used to study meiosis [my-OH-sis]. Beadle and Tatum proposed the one gene-one enzyme hypothesis from their studies of this bread mold.

ANSWER: *Neurospora* **crassa** [accept *Neurospora*; prompt on red bread mold]

<Biology, Wu> [Ed. Yin]

14. **A character in this film calls James Bond “a degenerate” during a meeting. One character in this film recklessly lands a plane at an exhibition before comparing it to “riding a bike.” A character in this film played by Tracy Letts tearfully remarks, “I wish my daddy he were alive to see this” after (\*) test driving a car. The marketing executive Lee Iacocca clashes with Leo Beebe in this film, which stars Christian Bale as the race car driver Ken Miles. The title car companies clash at Le Mans [luh-MONS] in, for 10 points, what 2019 film starring Matt Damon as the automotive designer Carol Shelby?**

ANSWER: ***Ford v. Ferrari***

<Popular Culture, Pavlou> [Ed. Gayden]

To punish him for rejecting her advances, the goddess Ishtar sends the Bull of Heaven against this figure and his friend Enkidu. For 10 points each:

[E] Name this king of Uruk who names a Sumerian epic.

ANSWER: **Gilgamesh** [or **Bilgamesh**]

[M] Enkidu and Gilgamesh teamed up to kill this guardian of the Cedar Forest. This monster was finally killed with the help of the sun god Shamash, which allowed Gilgamesh to decapitate him.

ANSWER: **Humbaba** [or **Huwawa**]

[H] Shamash helped Gilgamesh slay Humbaba by sending either eight or thirteen of these things. Enlil and Ninlil were the gods of these things.

ANSWER: **winds**

<Mythology, Hoffert> [Ed.]

15. **During a celebration of the completion of the Northern Pacific Railroad, this person gave a scathing off-script speech attacking the audience. This person described enemies falling like “grasshoppers from the sky.” This person gave the nickname “Little Sure Shot” to Annie Oakley while touring with Buffalo Bill’s Wild West Show. This person was killed during his 1890 arrest at (\*) Standing Rock for allowing his people to partake in the Ghost Dance. For 10 points, name this Lakota Sioux Chief who, along with Crazy Horse, defeated George Custer’s forces at the Battle of Little Bighorn.**

ANSWER: **Sitting Bull** [or **Tatanka Iyotake**]

<US History, Gayden> [Ed.]

The CIMMYT was founded to increase Mexico’s yield of this crop. For 10 points each:

[M] Name this grain, whose “dwarf” variety was popularized in developing nations during the Green Revolution.

ANSWER: **wheat**

[H] This “father of the Green Revolution” won the Nobel Peace Prize in 1970 for developing the high-yield wheat variant.

ANSWER: Norman (Ernest) **Borlaug**

[E] Borlaug’s passion for solving world hunger was inspired by his childhood experiences during this agricultural disaster, which worsened the effects of the Great Depression. Farmers in states like Oklahoma moved west in response to this event.

ANSWER: **Dust Bowl**

<Mixed/Other History, Gayden>

16. **The difference between the output of these devices and an ideal transverse mode Gaussian is quantified by the M squared parameter. Since N2 is greater than N1 but E2 is less than E1 in these devices, they form a common example of a negative temperature system. These devices are used to move atoms in a type of “tweezers.” YAG [Y-A-G] (\*) crystals and rubies are common gain media for these devices. Population inversion in these devices is achieved through optical pumping. These devices use stimulated emission to produce coherent photons. For 10 points, name these devices that produce a single, narrow beam of light.**

ANSWER: **lasers** [The third sentence refers to optical tweezers]

<Physics, Wu> [ed. Liu]



A pamphlet titled for this group claims that it is “nothing” although it “desires to be something.” For 10 points each:

[M] Name this group, the subject of an Abbé Sieyès pamphlet titled "What is [it]?"

ANSWER: the **third estate** [accept “What is the **Third Estate**?” or "Qu'est-ce que c'est le **tiers état**?]

[H] Abbé Sieyès' pamphlet *What is the Third Estate?* was written in response to a taunt by this French finance minister under Louis XVI. This finance minister's dismissal led to the storming of the Bastille in 1789.

ANSWER: Jacques **Necker**

[E] During the French Revolution, members of the Third Estate signed an “Oath” named for one of these athletic facilities.

ANSWER: **tennis courts** [accept **Tennis Court** Oath]

<European History, Hartung> [Ed.]

17. **A character in this play states that “every man knows what inconfessable things pass within the secrecy of his own heart” in response to a character whose “mental deafness” was earlier commented on. A woman with a pair of scissors dangling from her waist commits a “vulgar trick” in this play, in which one character find a “vile” letter on a mahogany (\*) table. The hanging of coats and hats prompts Madame Pace to enter a dress shop in this play, which begins as a family partially consisting of the Mother, the Father, and the Step-Daughter interrupt a rehearsal of *Mixing it Up*. For 10 points, name this absurdist drama by Luigi Pirandello.**

ANSWER: ***Six Characters in Search of an Author*** [or ***Sei personaggi in cerca d'autore***]

<European Literature, Melkumian>

These buildings traditionally have an odd number of levels, as even numbers were thought to be unlucky. For 10 points each:

[M] Name these Buddhist tiered towers which frequently feature numerous eaves on their curved roofs projecting out of their sides.

ANSWER: **pagodas**

[H] The design of pagodas evolved from these moundlike monuments from India which typically housed holy relics.

ANSWER: **stupas**

[E] Pagodas made of this material and stone began replacing wood pagodas in the Tang Dynasty. The Iron Pagoda in Kaifeng gets its brown rusted appearance from the color of this material made from fired clay.

ANSWER: **bricks**

<Architecture, Guo> [Ed.]

18. **Soprano Teresa Stratas is best known for her appearance in an opera from this country, in which her character’s suitors include the Physician, the Painter, and the composer Alwa. At the end of that opera from this country, its main character is killed by Jack the Ripper after falling into poverty. Both of the landmark operas by a composer from this country use the (\*) *Sprechgesang* [SHPRECK-geh-zahng] technique. The composer of the operas *Lulu* and *Wozzeck*, Alban Berg, was from this country, where he pioneered the 12-tone style alongside the composer of *Transfigured Night*. For 10 points, Arnold Schoenberg [SHURN-burg] was part of what country’s Second Viennese School?**

ANSWER: **Austria** [or Republic of **Austria**]

<Opera, Bowman> [Ed.]

Sonny Barger wrote about life as the leader of the San Francisco and Oakland chapters of this organization in *Ridin' High, Livin' Free*. For 10 points each:

[H] Name this “big four” motorcycle gang documented in a 1967 work of “gonzo journalism.”

ANSWER: **Hells Angels**

[M] This journalist popularized gonzo journalism in *Hell's Angels* and wrote about Raoul Duke and Dr. Gonzo's *Savage Journey to the Heart of the American Dream in Fear and Loathing in Las Vegas*.

ANSWER: Hunter S. **Thompson** [or Hunter Stockton **Thompson**]

[E] Hunter Thompson wrote a scathing obituary of this president titled “He Was a Crook” in *Rolling Stone*.

Thompson covered this president's reelection campaign against George McGovern in *Fear and Loathing in '72*.

ANSWER: Richard (Millhouse) **Nixon**

<US Literature, Palavajjhala> [Ed.]

19. **This person's usurper was executed following the Battle of Chupas. The “Famous Thirteen” followed this person on an expedition after he drew a line in the sand and asked all loyal men to follow him. This person was killed after being overthrown by forces led by Diego Almagro. This person ordered an attack on a king who threw a (\*) Bible on the ground. This person's forces were victorious at the siege of Cajamarca. This Conquistador asked for a room filled with gold and two rooms filled with silver as ransom for Emperor Atahualpa. For 10 points, name this Conquistador who defeated the Incas.**

ANSWER: Francisco **Pizarro** [accept Francisco Pizarro **González**]

<Mixed/Other History, Li> [Ed. Nageswaran]

This element's “black” allotrope is made of layered 2D sheets and acts as a semiconductor similar to graphite. For 10 points each:

[M] Name this element whose other allotropes are used in flame retardants and incendiary bombs.

ANSWER: **phosphorus** [or **P**; accept black, red, or white **phosphorus**]

[H] Exfoliated sheets of black phosphorus can efficiently convert oxygen gas to this state. All electrons are spin-paired in this lowest excited state of oxygen.

ANSWER: **singlet** state [accept **singlet** oxygen]

[E] In 2020, physicists created an allotrope of this element with the same structure as black phosphorus. On the periodic table, phosphorus lies below this most common gas in Earth's atmosphere.

ANSWER: **nitrogen** [or **N**; accept black **nitrogen** or **dinitrogen**]

<Chemistry, Yin> [Ed.]

20. **This thinker identified “melancholia” as a grieving process that takes place in the unconscious mind. This thinker argued that Parapraxes, such as the Signorelli parapraxis, occurred as a result of psychic determinism. This thinker abandoned the use of the hypnotic method of Josef Breuer, eventually developing a method that allowed patients to note down all of their thoughts, his (\*) “free association” method. He also said that dreams were a form of sleep preservation that fulfilled wishes to keep a person asleep, in his book *The Interpretation of Dreams*. For 10 points, name this Austrian psychologist, the founder of psychoanalysis.**

ANSWER: Sigmund (Schlomo) **Freud**

<Social Science, Peela and Yang>

This state's eastern border along the Snake River includes Hells Canyon, the deepest canyon in North America. For 10 points each:

[E] Name this state in the Pacific Northwest whose largest city is Portland.

ANSWER: **Oregon** [accept **OR**]

[M] The skyline of Portland is dominated by this potentially active volcano in the Cascade range. It is the tallest peak in the state of Oregon.

ANSWER: Mount **Hood**

[H] Just northwest of Mount Hood is this double-tiered waterfall that empties into the Columbia river. It is named for a local Native American tribe and shares its name with the county most of Portland is in.

ANSWER: **Multnomah** Falls

<Geography, Peela> [Ed. Ma]