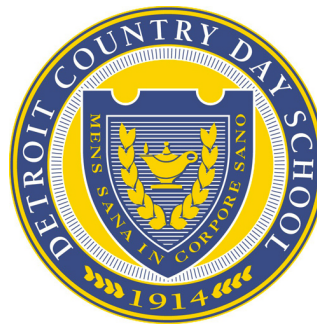


## Detroit Country Day Academic Regular Tournament II

### Packet 10

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Special thanks to Neil Gurram

1. **This character says that Thomas Edison and BF Goodrich didn't "get started till later in life." After this character laments not having "a thing in the ground," he attempts to plant a metaphorical garden at night. This character's wife admits that although he is not a "great man... attention must be paid [to him]." This character gives a pair of (\*) silk stockings to his Boston mistress, "the Woman." This character explains the importance of being not just liked, but well-liked, to his sons Happy and Biff. For 10 points, name this title character of *Death of a Salesman*.**

ANSWER: **Willy** Loman [accept **William** Loman; prompt on Loman; prompt on the salesman by asking "what is his name?" until "*Salesman*" is read]

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

Outrage over the signing of the Treaty of Fort Wayne led this leader to instigate one conflict. For 10 points each:  
[M] Name this leader who aided British commander Isaac Brock in a successful siege of Detroit during the War of 1812 before he was defeated at the Battle of Thames.

ANSWER: **Tecumseh**

[E] This future president defeated Tecumseh's brother Tenskwatawa and destroyed Prophetstown at the Battle of Tippecanoe. This 9th president became the shortest-serving president after he died of Pneumonia.

ANSWER: **William Henry Harrison** [prompt on Harrison; do NOT accept or prompt on "Benjamin Harrison"]

[H] The Treaty of Fort Wayne granted land on this river, where Arthur St. Clair earlier suffered the largest-ever US defeat at the hands of Native Americans. This river shares its name with a case that overturned *Munn v. Illinois* and led to the creation of the Interstate Commerce Commission.

ANSWER: **Wabash** River [accept Battle of the **Wabash**; accept the **Wabash** case]

<US History, Gayden> [Ed. Nageswaran]

2. **A lack of this element's lines distinguishes Type Ic [one-C] supernovae from other type I [one] supernovae. In astronomy, this is the heaviest element that is *not* considered a metal. Asymptotic giant branch stars consume this element in a "shell" around their cores. Stars leave the red giant branch after a (\*) "flash" named for this element, which begins its consumption by the triple-alpha process. This element is produced by the CNO [C-N-O] cycle and proton-proton chain. This is the second most abundant element in the universe. For 10 points, name this lightest noble gas.**

ANSWER: **helium** [or **He**; accept **helium** lines or **helium** shell or **helium** flash]

<Astronomy, Yin> [Ed.]

Answer the following about unforgettable guitar solos from rock songs. For 10 points each:

[E] This eight-minute-long Led Zeppelin song about a lady who's sure "all that glitters is gold" features a recorder theme along with its lengthy guitar solo played by Jimmy Page.

ANSWER: "**Stairway to Heaven**"

[M] Joe Walsh and Don Felder played the guitar solo at the end of this 1976 song, which states, "some dance to remember. Some dance to forget." This song is set by a "dark desert highway."

ANSWER: "**Hotel California**"

[H] This band's lead guitarist Slash's guitar riffs on a song that repeatedly asks, "where do we go?" are widely considered one of the best of all time. That song appears on this band's album *Appetite for Destruction*.

ANSWER: **Guns N' Roses**

<Popular Music, Chae> [Ed. Gayden]

3. **James Kay-Shuttleworth's educational reforms were inspired by his observations in this city. Thomas Walker engineered a canal that fueled this city's exports. The conditions of this city's working class were described by Friedrich Engels during his stay here. Lord Sidmouth introduced the Six Acts in response to a protest in this city against the (\*) Corn Laws. This city was known as "Cottonopolis" during the 19th century. The 1819 Peterloo Massacre took place in this city. For 10 points, name this former center of the world's textile industry, connected by railroad to nearby Liverpool, which is now England's second-most populous city.**

ANSWER: **Manchester**, England

<European History, Gayden> [Ed.]

This word is repeatedly whispered under the breath of a woman who realizes that "a long procession of years to come...would belong to her absolutely." For 10 points each:

[H] Name this word, which Louise Mallard attributes to her "Body and soul" after learning that her husband Brently had died in a train accident.

ANSWER: **free** [accept "**free**, free, free!" or "Body and soul **free!**"]

[M] Louise Mallard exclaims "Body and soul free!" after the supposed death of her husband in this author's "Story of an Hour."

ANSWER: Kate **Chopin**

[E] In this novel by Kate Chopin, Edna Pontellier drowns herself in the Gulf of Mexico.

ANSWER: *The **Awakening***

<US Literature, Joshi> [Ed.]

4. **These people believed that the moon got its spots because when the fox tried to steal it, the moon instead hugged it tightly. These people believed that their creator deity first created a stupid race of stone giants who were then wiped away by a flood. These people viewed the Milky Way as a jug from which a god gave rain. At the order of the sun god (\*) Inti, an ancestor of these people named Manco Capac settled where a golden stick sunk into the ground. The creator god of these people, Viracocha, rose from Lake Titicaca to create light. For 10 points, name these people who honored their gods in places like the Temple of the Sun in Machu Picchu.**

ANSWER: **Incas**

<Mythology, Suh> [Ed.]

This city's Chongming Island is used as farmland by many of its wealthier residents. For 10 points each:  
[E] Name this most populous city in China, just south of the Yangtze River delta. Its Pudong District contains the Oriental Pearl Tower.

ANSWER: **Shanghai**

[M] Shanghai's urban financial district is best viewed from this waterfront area across the Huangpu River. The European architecture in this historical district are remnants from Shanghai's International Settlement.

ANSWER: The **Bund** [or **Waitan**]

[H] The first commercial one of these things in the world was built in Shanghai from Longyang Road to Shanghai-Pudong International Airport. It operates at a loss but remains the oldest one of them in operation.

ANSWER: **maglev** trains [or **magnetic levitation** trains; prompt on **trains**; do NOT accept or prompt on "high-speed rail"]

<Geography, Gayden> [Ed. Ma]

5. **Upon seeing a work by this artist, Pablo Picasso claimed that they were "working in the same spirit." A movement founded by this artist in parallel to the Linked Ring movement advocated for greater expression through pictorialism. This photographer captured a horse-drawn carriage trudging through the snow on New York's Fifth Avenue. With (\*) Edward Steichen, this photographer founded Gallery 291. A white gangplank separates the huddled passengers of the *SS Kaiser Wilhelm* in a photograph taken by this man. For 10 points, name this Photo-Secessionist photographer of *The Steerage* who married Georgia O'Keeffe.**

ANSWER: Alfred **Stieglitz**

<Photography, Gayden> [Ed.]

An American trained army in this country's civil war massacred hundreds of civilians in the 1981 El Mozote massacre. For 10 points each:

[H] Name this country where a civil war pitted the Farabundo Martí National Liberation Front against the ruling ARENA party. This country's leader Roberto D'Aubuisson ordered the assassination of Óscar Romero.

ANSWER: Republic of **El Salvador**

[E] The Salvadoran Civil war was sparked by the murder of Romero, who belonged to this religious institution. This institution has the largest following of any religious institution in Latin America.

ANSWER: **Catholic** Church [or Roman **Catholic** Church; accept word forms such as Roman **Catholicism**; prompt on **Church** alone; prompt on **Christianity**]

[M] The FMLN were inspired by this party's victory in a nearby civil war against the Contras the year earlier, after which they overthrew Anastasio Somoza. This Nicaraguan party is currently led by Daniel Ortega.

ANSWER: **Sandinistas** [or **Sandinista** National Liberation Front; accept Frente **Sandinista** de Liberación Nacional or **FSLN**]

<World History, Gayden> [Ed. Nageswaran]

6. **A poem by this author describes a tide that "drew from out the boundless deep" and laments, "twilight and evening bell, and after that the dark!" The speaker of one poem by this author describes "heroic hearts made weak by time and fate, but strong in will" and vows to "follow knowledge like a sinking star." That same speaker resolves (\*) "to strive and seek but not to yield." Another of this man's poems concludes that it is better "to have loved and lost, than never to have loved at all." For 10 points, name this author of "Crossing the Bar", "Ulysses", and "The Charge of the Light Brigade."**

ANSWER: Alfred, Lord **Tennyson**

<European Literature, Li and Zhou> [Ed.]

The ongoing CASP [kasp] experiment aims to predict the outcome of this process. For 10 points each.

[M] Name this process that chaperonins [chaperone-ins] assist in. Molten globules are hypothesized intermediates in this process between the denatured and native states of molecules undergoing it.

ANSWER: protein **fold**ing

[E] Hydrophobic collapse theory describes how proteins acquire their three-dimensional structure in polar examples of these substances. Water is often called the “universal” one of these substances.

ANSWER: **solvents**

[H] During protein folding, this protein catalyzes the formation and breakage of bonds between the sulfur atoms of cysteine residues. In eukaryotes [yoo-KAIR-ee-ohts], this protein is located in the endoplasmic reticulum.

ANSWER: **protein disulfide isomerase** [or **PDI**]

<Biology, Melkumian and Wu> [Ed.]

7. **A five-movement orchestral work by a composer from this country uses an arch form with its third movement “Elegia” acting as the keystone. Another composer from this country used micropolyphony in his pieces *Atmospheres* and *Lux Aeterna*, both of which feature in *2001: A Space Odyssey*. A composer from this country used his style of (\*) “night music” in the opening of a work that also contains a “Game of Pairs” movement. That work, a *Concerto for Orchestra*, was written by a composer from this country who also wrote the opera *Duke Bluebeard’s Castle*. For 10 points, name this country home to composers Gyorgy Ligeti and Bela Bartok.**

ANSWER: **Hungary**

<Classical Music, Yang> [Ed. Bowman]

The “offensive” branch of this school was outlined in John Mearsheimer’s *The Tragedy of Great Power Politics* in response to Kenneth Waltz’s “defensive” branch. For 10 points each:

[H] Name this school of international relations theory which holds power above all else.

ANSWER: neo**realism** [accept structural **realism** or offensive **realism** or defensive **realism**]

[M] Mearsheimer refuted the theory that states were content living in this condition, claiming instead that states would search for ways to gain an edge on their competition. This condition denotes a situation in which two or more states are capable of total annihilation of the others.

ANSWER: **mutually assured destruction** [or **MAD**]

[E] Most cases of mutually assured destruction involve these weapons, which have only ever been used in war twice.

ANSWER: **nuclear** weapons [accept **nukes** or **atomic** bombs or **fission** bombs; do NOT accept or prompt on “hydrogen bombs” or “h-bombs” or “fusion bombs”]

<Social Science, Palavajjhala> [Ed.]

8. **This city was the first to distribute food by the “Care of Annona” system. Politicians in this city often made speeches from the “rostrum” platform. A politician from this city’s attempts to break up its *latifundia* resulted in the passage of his namesake Agrarian Law. The (\*) Hortensian Law was passed to end this city’s “Conflict of the Orders.” The Gracchi brothers were executed while serving in this city’s position of tribune. This city’s wealthy Patricians often conflicted with its Plebeian peasants. For 10 points, name this republic which eventually grew into an empire ruled by Julius Caesar.**

ANSWER: **Rome**

<Ancient History, Hartung> [Ed.]

The golden hair of Margarete is counterpointed with the ashen hair of Shulamith in this poem that describes a man who “plays with the snakes he writes.” For 10 points each:

[H] Name this poem by Paul Celan that states “we drink and we drink” the “black milk of morning.”

ANSWER: “**Death Fugue**” [accept “**Todesfuge**” or “**Fugue of Death**” or “**Tango of Death**”]

[E] “Todesfuge” was written in response to this event, which is recounted in Primo Levi’s *If This Is a Man*, an account of his time in the Auschwitz concentration camp.

ANSWER: **Holocaust** [accept **Shoah**; prompt on “World War II”]

[M] In this novel set during the Holocaust, the protagonist recounts studying the Kabbalah with Moshe the Beadle and repeatedly asks, “Where is God now?”

ANSWER: **Night** [or *La Nuit*; accept ***And the World Remained Silent***]

<European Literature, Melkumian> [Ed.]

9. **A species in this phylum called Venus’ flower basket often has a breeding pair of symbiotic shrimp trapped inside of it. The epithelial [eh-pih-THEE-lee-ul] surfaces of this phylum consist of either a syncytium [sin-SIH-shee-um] or cells called pinacocytes [pin-ACK-oh-sites]. Most members of this phylum have a branched internal structure termed “leuconoid” [LOO-kuh-noyd]. (\*)** Animals in this phylum expel wastes from a central hole called an osculum [OSS-kyuh-lum]. The interior of their bodies is lined with flagellated cells known as choanocytes [koh-AN-oh-sites]. This most primitive animal phylum has no tissues and no symmetry. For 10 points, name this phylum of filter-feeding, porous invertebrates.

ANSWER: **Porifera** or **sponges** [accept glass **sponges**]

<Biology, Melkumian> [Ed. Yin]

Pablo Picasso remarked, “we have learned nothing” upon visiting one of these places at Lascaux. For 10 points each:

[M] Name these sites, which were decorated by hand art and petroglyphs in the Paleolithic Era.

ANSWER: **cave** [or **cueva**]

[E] Cave paintings in Sulawesi, Indonesia depicting this activity are thought to be the oldest figurative artworks in the world. That painting of this activity shows human figures holding spears or rope and approaching a large pig.

ANSWER: **hunting**

[H] The Axial Gallery in the Lascaux Caves depicts a “Great Black” one of these animals. An extinct variety of these animals features prominently in Lascaux’s “Great Hall of” these animals.

ANSWER: **bulls**

<Painting, Guo> [Ed.]

10. **This state accidentally included 135,000 test ballots during one election. The founder of the volunteer anti-crime organization, Guardian Angels, Curtis Sliwa, was the Republican nominee for that election in this state. Keys to a rented U-Haul van led to the arrest of a suspected criminal in this state named (\*) Frank James. This state’s largest city used ranked-choice voting during an election won by former police officer Eric Adams. Kathy Hochul succeeded this state’s former governor after he resigned in 2021 due to sexual harrasment allegations. For 10 points, what state was formerly governed by Andrew Cuomo?**

ANSWER: **New York** City [or **NYC**]

<Current Events, Wu> [Ed. Gayden]

The Rodrigues equation generalizes this equation using the hyperbolic tangent function. For 10 points each:  
[H] Name this equation that gives the height of a theoretical plate as  $A$  plus the quantity  $B$  over  $u$ , plus the quantity  $c$  times  $u$ .

ANSWER: **van Deemter** equation

[M] In the van Deemter equations, the constants  $A$  and  $B$  both describe this process. The latter constant also appears in Fick's first law of this process.

ANSWER: **diffusion** [accept **diffusion** coefficient or eddy **diffusion** parameter]

[E] The van Deemter equation is used to analyze the results of this technique, which is named for the colored patterns that it creates. This technique separates mixtures by moving a mobile phase past a stationary phase.

ANSWER: **chromatography** [accept subtypes like gas **chromatography**]

<Chemistry, Wu> [Ed.]

11. **This river meets the Ruak in the Golden Triangle, a center of opium production. The world's widest waterfall, the Khone Falls, lies on this river. This river's upper reaches are named for the kingdom of Lan Xang [song], in which name it is the middle of the Three Parallel Rivers of (\*) Yunnan.** Monsoon rains cause the Tonle Sap River to seasonally reverse its flow from where it meets this river at Phnom Penh. This river's delta is home to Ho Chi Minh City, Vietnam. For 10 points, name this principal river of Southeast Asia.

ANSWER: **Mekong** [may-kawng] River

<Geography, Gayden> [Ed. Ma]

After being betrayed by Thomas Marvel, the title character of a novel by this author describes his "Reign of Terror" to Dr. Kemp. For 10 points each:

[E] Name this author of *The Invisible Man* who wrote about Martians dying from bacteria they have no resistance to in *The War of the Worlds*.

ANSWER: H. G. **Wells** [or "Herbert George **Wells**"]

[M] In this Wells novel, the protagonist builds the title device to travel through four dimensions, where he encounters the Eloi and ape-like troglodytes called Morlocks.

ANSWER: *The **Time Machine***

[H] After saving Weena from drowning, the time traveler takes her to this building, where he crafts a weapon against the Morlocks and finds a supply of matches with which he accidentally starts a forest fire.

ANSWER: **Palace of Green Porcelain**

<British Literature, Melkumian>

12. **These particles interact with electrons through weak interactions in the MSW effect. The seesaw mechanism was proposed to explain an unusual property of these particles. These particles can be observed by the Cherenkov radiation emitted in large tanks of water in detectors such as (\*) Super-Kamiokande.** One-third of the expected number of these particles were detected by the Homestake experiment, later explained by oscillations between their three flavors. These particles only interact via the weak force and gravity. For 10 points, name these extremely light, uncharged particles.

ANSWER: **neutrinos**

<Physics, Bajji> [Ed. Liu]

This country faced the tumultuous “Rampjaar.” For 10 points each:

[E] Name this country whose leader Johann de Witt was lynched in 1672, leading to the rise of the House of Orange.

ANSWER: United Provinces of the **Netherlands** [accept **Dutch Republic**]

[M] This English ruler ordered the Royal Navy to blockade the Netherlands during the Rampjaar. This ruler had earlier returned to the English throne in the Restoration.

ANSWER: **Charles II** [prompt on “Charles”]

[H] This German city took advantage of the Rampjaar and declared war on the Netherlands. This city and Osnabruck name the treaties that collectively made up the Peace of Westphalia.

ANSWER: **Münster**

<European History, Pavlou> [Ed.]

13. **A character in this story believes that the “old hen” fate should be “deprived of the management of men's fortunes.” Characters in this story spot a man cheerfully waving his black coat while venturing near Mosquito Inlet. Upon spotting abandoned houses, characters in this story remark, “funny they don’t see us.” This story opens with the line (\*) “None of them knew the color of the sky.” The author's experiences on the SS *Commodore* inspired this story about the cook, the correspondent, the captain, and the oiler Billie, the latter of whom doesn’t make it ashore. For 10 points, name this story about the title stranded vessel by Stephen Crane.**

ANSWER: “The **Open Boat**”

<US Literature, Melkumian> [Ed. Gayden]

In a less famous story, this figure kills Acis [“AY-kiss”] out of jealousy. For 10 points each:

[H] Name this figure, whose friends tell him to pray to Poseidon when he cries out for help. Achaemenides was abandoned by his companions as they fled this figure.

ANSWER: **Polyphemus**

[E] Polyphemus had to cry out for help after this witty king of Ithaca stabbed in his eye with a wooden stake. His journey back home titles a famous Homeric epic.

ANSWER: **Odysseus** [accept **Ulysses**]

[M] When Polyphemus asks Odysseus to identify himself, Odysseus tells him that his name is this. You may give either the Greek term or the common English translation.

ANSWER: **nobody** [or *outis*; accept **no man**]

<Mythology, Suh> [Ed. Suh]

14. **Jeffrey Tulis argued that this president created the modern “rhetorical presidency” by re-popularizing giving the State of the Union address directly to Congress. This president stressed that “the world must be made safe for democracy” in one speech. The “reservationists” and the “irreconcilables,” including Henry (\*) Cabot Lodge, opposed one statement by this president that called for freedom of sea navigation and an end to secret treaties. This president’s Fourteen Points proposed the creation of the League of Nations. For 10 points, name this president who led the United States during World War I.**

ANSWER: Woodrow **Wilson**

<US History, Gayden> [Ed.]

The Sufi *qawwali* musical tradition borrows these musical frameworks, which are introduced in the *alap* section of their songs. For 10 points each:

[H] Name these musical frameworks analogous to Western modes. Musicians will improvise within different types of these frameworks at different times of day and parts of the year.

ANSWER: ragas [accept rag or ragam]

[E] The Malhar *raga* is performed during India's monsoon season because it represents this form of precipitation.

ANSWER: rain

[M] The album *Three Ragas*, which introduced Hindustani music to the west in the 1950s, was composed by a player of this instrument named Ravi Shankar. Shankar later taught George Harrison to play this instrument.

ANSWER: sitar

<Miscellaneous Music, Bowman> [Ed.]

15. [NOTE TO MODERATOR: Put the stress on the word “let” in “don’t *let* me get in my zone.” Also, if you know the song, please accentuate the lyrics properly.]

**Sampha sings, “looking at the church in the night sky, wondering whether God’s gonna say hi” in a song by this artist added to an album four months after its release. A sample of Brenda Lee saying “uh-huh honey” repeats throughout another song by this artist. This artist claims to be “suffering from realness” and repeatedly warns, “don’t (\*) let me get in my zone” on a song from the album *Watch the Throne*, a collaboration with JAY-Z. Jamie Foxx sings “she take my money [pause] when I’m in need” at the beginning of a song in which this rapper calls his woman a “Gold Digger.” For 10 points, name this rapper who belatedly released *Donda*.**

ANSWER: Kanye West [accept either underlined portion; prompt on Yeezy or Yeezus or Ye]

<Popular Music, Guo> [Ed. Gayden]

Answer the following about category theory. For 10 points each:

[H] A map between two objects in the same category is known by this term and is represented by an arrow pointing from one object to another. When they have both left- and right-inverses, they have the prefix “iso-”.

ANSWER: morphisms [accept isomorphisms]

[E] Functions are morphisms between these objects. Operations such as union and intersection apply to these collections of distinct elements.

ANSWER: sets

[M] A functor is a map between categories that preserves morphism composition and morphisms described by this term. In a set with a binary operation, elements described by this term leave other elements unchanged.

ANSWER: identity [accept identity morphisms or identity elements]

<Math, Yang> [Ed.]

16. **A ruler of this city named Alauddin Khalji forbade its nobles from intermarrying to prevent opposition. A ruler of this city named Qutb al-Din Aibak constructed a namesake “complex” to celebrate his conquest of it. After the Battle of Karnal, Nader Shah sacked this city. A (\*) sultanate ruled from this city was defeated at the Battle of Panipat while ruled by Ibrahim Lodi. The Koh-i-Noor diamond was stolen from this city's Red Fort. Along with Agra, this city was the center of the Mughal Empire. For 10 points, name this city which contains the modern-day capital of India.**

ANSWER: Delhi [accept Delhi Sultanate; accept New Delhi]

<World History, Hartung> [Ed.]



Upon seeing a “tired brown spaniel,” this story’s protagonist goes into a “headlong retreat”, causing a cyclist to run into a hedge to avoid “imminent collision.” For 10 points each:

[H] Name this story in which Framton Nuttel visits Mrs. Sappleton and is entertained by her niece Vera.

ANSWER: “The **Open Window**”

[M] “The Open Window” was written by this British author of “Sredni Vashtar,” who wrote about the hunters Georg Znaeym and Ulrich von Gradwitz in “The Interlopers.”

ANSWER: **Saki** [accept Hector Hugh **Munro** or H. H. **Munro**]

[E] Hector Hugh Munro’s pen name is a reference to the “Eternal Saki,” a cupbearer described in this set of Persian quatrains by Omar Khayyam.

ANSWER: **Rubáiyát**

<World Literature, Melkumian> [Ed.]

17. **This element is bonded to phosphorus in a reagent whose selenium analogue is named for Derek Woollins. That reagent replaces other atoms with this element and is named for Sven-Olov Lawesson [LAW-suhn]. This non-metallic element is found in the cores of Rieske [reesk] proteins and in the active site of aconitase [uh-KAHN-uh-tayss]. Bonds between this element are responsible for the rigidity of (\*) keratin. Methionine [meh-THYE-uh-neen] and cysteine [SIS-tuh-een] are the two amino acids that contain this element. This element is found in thiols [THYE-awls], which are abundant in skunk spray. For 10 points, what element’s compound with hydrogen smells like rotten eggs?**

ANSWER: **sulfur** [or **S**; accept iron-**sulfur** clusters; prompt on **disulfide** bonds or bridges; prompt on hydrogen **sulfide**]  
<Chemistry, Melkumian> [Ed. Yin]

This commodity was mined at sites like Zacatecas and Guanajuato in New Spain. For 10 points each:

[E] Name this commodity. Along with gold, the influx of this precious commodity into Europe fueled the 17th Century Price Revolution.

ANSWER: **silver** [or **Ag**]

[M] After processing, silver was shipped to the Spanish Philippines on these square-sailed vessels. These vessels made up the ships used by the Spanish Armada, and some of them were named for the city of Manila.

ANSWER: **galleons** [or Manila **galleons**]

[H] This dynasty imported Spanish silver to replace its currency after a disastrous experiment with paper money. Gavin Menzies speculated that this dynasty discovered the Americas before Christopher Columbus.

ANSWER: **Ming** Dynasty [prompt on **China** or **Zhōngguó** with “under what dynasty?”]

<Mixed/Other History, Gayden> [Ed.]

18. **The speaker of a poem in this language sees “the black ruins of my life” and asks, “How long can I let my mind moulder in this place?” The title character dies in Antarctica after meeting an incarnation of the Buddha and aliases of Don Quixote and Jesus in a “modern sequel” of a work in this language. An author used this language to write a poem about people who are “a kind of solution” in (\*) “Waiting for the Barbarians.” Constantine Cavafy wrote in this language, which was used to write a novel which sees the protagonist befriend a man named Zorba. For 10 points, name this language used to write *The Odyssey*.**

ANSWER: **Greek** [accept Ancient **Greek** or Modern **Greek** or *Zorba the Greek*] (The first clue refers to “The City”)  
<European Literature, Melkumian> [Ed.]

This nation's president described the nation's population growth as a threat to national security when its population recently surpassed 100 million. For 10 points each:

[M] Land reclamation efforts in Toshka may relieve the increased pressure on this nation's cotton industry, as directed by President el-Sisi.

ANSWER: **Egypt** [or Arab Republic of **Egypt**]

[E] Egypt's cotton industry has largely been supported by the floods of this river, the longest in the world.

ANSWER: **Nile** River

[H] President el-Sisi warned Ethiopia to "not touch a drop of Egypt's water" in reference to this controversial dam. This dam on the Blue Nile will become the largest hydroelectric power plant in Africa when completed.

ANSWER: **Grand** Ethiopian **Renaissance** Dam [accept **Millennium** Dam or **Hidase** Dam]

<Current Events, Madugula> [Ed.]

19. **This concept is the last word in the title of a work that argued its best representative is the novel *Juliette*. An Isaiah Berlin book groups Vico, Herder, and Hamann as "Three Critics" of this concept. A foundational work of critical theory argued that this concept led directly to fascism and coined the term "culture industry." That book by (\*) Horkheimer and Adorno is called *Dialectic of* [this concept]. An essay on this idea proposed the motto "dare to think," or *sapere aude*, and defined it as "man's emergence from his self-imposed tutelage." Immanuel Kant belonged to, for 10 points, what intellectual movement that emphasized reason?**

ANSWER: **enlightenment** [or **aufklärung**; accept *Dialectic of Enlightenment*; prompt on **dialectic** with "that work is called a "*Dialectic of*" what other concept?" before "*Dialectic*" is read] (*Juliette* is Marquis De Sade's sequel to *Justine*)

<Philosophy, Golfinos> [Ed.]

Margot Fonteyn is the *prima ballerina assoluta* of this company founded by Ninette de Valois. For 10 points each:

[M] Name this British ballet company which received a charter from the queen in 1956.

ANSWER: the **Royal Ballet** [accept **Vic-Wells Ballet**]

[H] This long-time director of the Royal Ballet combined an arabesque, développ , pas de bourr e, and a pas de chat in his namesake "step." This choreographer is known for his 1960 production of *La fille mal gard e* [la fee mahl gar-DAY].

ANSWER: Frederick **Ashton**

[E] Ashton worked with the Danish Royal Ballet to choreograph a production of a Sergei Prokofiev ballet based on this Shakespeare tragedy, whose Montague and Capulet families are depicted in the "Dance of the Knights."

ANSWER: **Romeo and Juliet** [accept **Romeo i Dzhulyetta**]

<Performance, Palavajhala> [Ed.]

20. **Jane Sutherland and Arthur Streeton belonged to an Australian branch of this movement called the Heidelberg School. A man smoking a pipe sits next to a downcast woman staring at her drink in one painting from this movement. A series of paintings from this movement became more yellow and abstract as a result of the artist's progressing (\*) cataracts. Louis [LOO-ee] Leroy coined the name of this movement to describe a foggy painting of Le Havre harbor. An artist from this movement painted a series of Water Lilies. For 10 points, name this 19th century French art movement founded by Claude Monet.**

ANSWER: **Impressionism** [accept word forms] (The painting is Edgar Degas' *L'Absinthe*)

<Painting, Gayden> [Ed.]

The Method of Joints and Method of Sections are used to analyze the load on parts of these structures. For 10 points each:

[H] Name these structures, which consist of two-force members arranged such that they are only under axial load.

ANSWER: **trusses**

[E] The Method of Joints for analyzing trusses involves analyzing each joint such that the net force on it has this value, meaning that it does not accelerate via Newton's second law.

ANSWER: **zero** [accept equivalents mentioning there is **no net force**]

[M] Structures with trusses and beams such as bridges are studied in this subfield of mechanics that describes systems in equilibrium with no net force applied to them.

ANSWER: **statics**

<Physics, Chapman> [Ed.]