

## Detroit Country Day Academic Regular Tournament

### Packet 3

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1. **A character in this work jokes, “Wouldn’t have me leave m’dishes in the sink, now, would you?” after arriving late. In this work, pioneering “Young folks” are called a “pack of crazy fools” who will “go back to living in caves.” Characters in this work often say “corn be heavy soon.” A character in this story who conducts square dances is criticized for not using (\*) wooden chips, and is named Mr. Summers. “And then they were upon her” are the last words of this work, in which a three-legged stool supplied by Mr. Graves holds up a shabby black box. Tessie Hutchinson is stoned to death at the end of, for 10 points, what short story by Shirley Jackson?**

ANSWER: “The **Lottery**” <US Literature, Gayden>

During the REM phase of this process, humans are paralyzed except for their eyeballs, which are rapidly moving.  
For 10 points each,

[10] Name this process in which people dream. For healthy development, it is recommended for teenagers to perform this action for 8-10 hours.

ANSWER: **sleep**

[10] These cycles regulated by the suprachiasmatic nucleus use the release of melatonin from the pineal gland to control sleepiness. The alteration of these cycles can cause jet lag.

ANSWER: **circadian rhythms** [accept **circadian clocks**, prompt on biological clocks]

[10] This hormone produced by the hypothalamus can also regulate sleep by increasing metabolic rate upon release. Loss of the neurons that produce this hormone can cause sudden transitions to sleep, a condition called narcolepsy.

ANSWER: **orexin** [Accept **orexin-A** or **orexin-B**] <Biology, Siddiqui>

2. **A character in this game repeatedly asks the player to help her look for a sword called the Unseen Razor, and one character in this game worries that some pigeons on a bridge might leave and never come back again, “just like daddy”. Crimson Agates can be exchanged for rewards at the Frostbearing Tree in this game, and the player steals the Holy Lyre de Himmel so the bard (\*) Venti can play it to attract Dvalin in this game’s main storyline. The floating fairy-like character Paimon follows the main character of this game, known as the Traveler. For ten points, name this open-world gacha game created by Mihoyo that won the 2020 iPhone Game of the Year.**

ANSWER: **Genshin Impact** [prompt on Genshin] <Popular Culture, Sun>

Edward Fitzgerald translated this work, which includes the line “The Moving Finger writes, and having writ, moves on.” For 10 Points each,

[10] Name this collection of quatrains, one of which describes “A jug of wine, a loaf of bread -- and thou.”

ANSWER: *The **Rubaiyat** of Omar Khayyam*

[10] Omar Khayyam used this language to write the *Rubaiyat*. Ferdowsi’s *Shahnameh* and Hafez’s *Divan* were also written in this language.

ANSWER: **Persian** (accept **Farsi**)

[10] Rumi used Farsi to write this collection, whose prologue is named “the Song of the Reed-Flute.” This collection of Sufi poetry is divided into six books.

ANSWER: **Spiritual Couplets** (accept **Masnavi** or **Masnavi-I-Ma’navi**) <World Literature, Siddiqui>

3. **This quantity and temperature are plotted in an Ellingham Diagram for metal oxides. Surface tension is the change in this quantity per unit surface area, and the change in it is the negative of the ideal gas constant times temperature times the natural log of the equilibrium constant. This is the maximum non-expansion (\*) work available in a system. The Third Law of Thermodynamics sets the change in this quantity equal to the change in enthalpy minus the product of temperature and the change in entropy. For 10 points, name this “free energy” which determines the spontaneity of a reaction.**

ANSWER: **Gibbs** Free Energy [Prompt on “energy” and “free energy”] <Chemistry, Siddiqui>

In January 2021, the prices of this company’s shares skyrocketed due to popularity from the Reddit community Wallstreetbets. For 10 points each,

[10] Name this brick-and-mortar video game retailer denoted by the ticker symbol GME.

ANSWER: **GameStop** Corp. [accept **GME** before mention]

[10] Despite being a former favorite of Wallstreetbets, this broker and online trading app aroused controversy among traders and politicians after it set trading restrictions on GameStop, AMC, and other stocks. It has since rescinded the trading restrictions and is being investigated by the SEC.

ANSWER: **Robinhood**

[10] Gabriel Plotkin, the founder of this hedge fund, testified before the House Committee on Financial Services in February 2021. Citadel and Point72 injected billions of dollars into this hedge fund after it suffered huge losses after the Gamestop squeeze.

ANSWER: **Melvin** Capital Management [accept **Melvin** Capital] <US Current Events, Sun>

4. **Loewe v. Lawlor extended the application of one of these laws, which can be violated either “per se” or by “rule of reason.” IBM was sued for violating section 2 of a law of this type in 1969. The Celler-Kefauver and Robinson-Patman Acts amended one law of this type, which prohibited price discrimination. (\*) MLB was granted an exemption from one of these laws, which was first successfully used against the Northern Securities Company. The Clayton Act succeeded that law of this type, which was used to break up Standard Oil and was named after John Sherman. For 10 points, name this type of law that aims to break up non-competitive monopolies.**

ANSWER: **antitrust** law [accept **Sherman Antitrust** Act or **Clayton Antitrust** Act; prompt on **Sherman** or **Clayton** or a description involving monopoly prevention] <US History, Gayden, Ed.>

In one novel by this man, the protagonist is taught Morse code by Coral Fellows. For 10 points each,

[10] Name this author who wrote about the Lieutenant's chase of the “whiskey Priest” in *The Power and the Glory*.

ANSWER: Henry Graham **Greene**

[10] Greene often wrote about characters of this profession, including Alden Pyle in *The Quiet American* and James Wormold in *Our Man in Havana*. Greene himself briefly worked in this profession as a member of MI6.

ANSWER: **spy** (accept equivalents)

[10] This author was also employed as a spy in the 1960s. The spy George Smiley works for the Circus in this author’s *Tinker Tailor Soldier Spy*.

ANSWER: John **le Carré** (or David **Cornwell**; do not accept or prompt on just “Carre”) <British Literature, Liu and Siddiqui>

5. **One of Duccio’s depictions of this figure was relocated to the Rucellai family chapel in 1591, and this figure is flanked by Saint Sixtus and Saint Barbara while two putti rest below this figure in one painting. Chancellor Rolin commissioned Jan Van Eyck to depict this figure, and depictions (\*) “of the Meadow” and “of the Goldfinch” are examples of Raphael’s numerous depictions of this figure. Parmigianino painted a depiction of this**

figure “with the long neck”, and Michelangelo depicted this figure cradling her dead son in *Pieta*. For 10 points, name this figure often shown with her son, Jesus Christ.

ANSWER: the Virgin Mary [accept either underlined part; accept Madonna; do not accept or prompt on “Mary Magdalene”] <Visual Fine Arts, Sun>

Romeo Dallaire blasted the international response to this event in his 2003 book *Shake Hands With the Devil*. For 10 points each,

[10] Name this 1994 event in an Eastern African country between the Hutu and Tutsi ethnic groups.

ANSWER: Rwandan genocide

[10] The Rwandan genocide started shortly after the shooting down of a plane carrying Rwandan president Juvénal Habyarimana and Cyprien Ntaryamira, who led this neighboring country with capital formerly at Bujumbura.

ANSWER: Republic of Burundi [or Republika y'Uburundi; or République du Burundi]

[10] This country has long been accused of complicity in the Rwandan genocide. In 2019, its president called for an inquiry into its role in the Rwandan genocide, which included Operation Turquoise.

ANSWER: France [accept French Republic; accept République Française]

<World History, Liu, Ed.>

6. **It’s not Gibbs, but this physicist names a probability distribution which can describe the distribution of states of the canonical ensemble. This physicist’s transport equation can be used to derive the H-theorem. This physicist is the second namesake of an equation relating the power radiated from a black body to the (\*) fourth power of temperature, and his formula for entropy contains the natural logarithm of the number of microstates. With Maxwell, this physicist names a probability distribution of molecular speeds. For 10 points, name this Austrian physicist whose namesake constant is symbolized  $k$  sub  $b$ .**

ANSWER: Ludwig Boltzmann <Physics, Sun>

In this novel, the protagonist dances with Olga Larin at a name day ball. For 10 Points each,

[10] Name this verse novel in which the title character kills his friend Lensky in a duel, after which he travels abroad.

ANSWER: Eugene Onegin

[10] *Eugene Onegin* is a novel by this author, whose other works include *Ruslan and Ludmilla* and *the Bronze Horseman*.

ANSWER: Alexander Pushkin

[10] In this short story by Pushkin, Hermann is obsessed with learning the secret three winning cards from a countess. Hermann eventually loses all of his money when he bets on the titular card.

ANSWER: “The Queen of Spades” <European Literature, Siddiqui>

7. **The declining fishing industry on this body of water near cities like Muynak was the subject of the 2012 film *Waiting for the Sea*. A 1971 smallpox outbreak near this body of water occurred due to bioweapons testing at sites like Vozrozhdeniya [vuz-ruz-DEN-eeyah] Island in this body of water. In order to boost cotton farming, the (\*) Karakum Canal diverted water from the Amu Darya River from this lake, resulting in the formation of a deserted ship graveyard. For 10 points, name this lake between Kazakhstan and Uzbekistan, which has shrunk significantly since 1960.**

ANSWER: Aral Sea <Geography, Gayden> [Ed.]

When this figure’s companion kills the Bull of Heaven, the gods decide that this figure must die. For 10 points each:

[10] Name this figure, tamed by the harlot Shamhat, who accompanies a king into the Cedar Forest.

ANSWER: Enkidu

[10] Enkidu accompanies the title King of Uruk on a quest to slay Humbaba in this Mesopotamian text.

ANSWER: *Epic of* Gilgamesh

[10] Gilgamesh prays to this deity to send a dream granting him protection on his quest into the Cedar Forest. This deity is the Mesopotamian god of the sun.

ANSWER: **Shamash** [or **Utu**] <Mythology, Siddiqui>

8. **Forces fighting for a ruler with this name lost the battle of Friedland. The death of that ruler with this name caused a succession crisis where mutinous soldiers occupied Senate Square. Another ruler with this name fought a war against the Ottomans where he liberated Bulgaria by signing the Treaty of San Stefano. That ruler with this name appointed Count Loris Melikov to create a (\*) constitution before he was assassinated by the People's Will. A ruler of this name was known as the "Liberator". For 10 points, what was the name held by the Tsar of Russia who emancipated the serfs?**

ANSWER: **Alexander** [accept **Alexander** I or **Alexander** II] <European History, Pavlou, Ed.>

The volume of a parallelepiped can be found by performing a triple product on three of these objects. For 10 points each:

[10] Name these mathematical objects that have both a magnitude and direction.

ANSWER: **vectors**

[10] This operation on two vectors can be found algebraically by taking the products of the corresponding coordinates and summing them. If this operation returns 0, the two vectors are orthogonal.

ANSWER: **dot product** [accept scalar product, Prompt on inner product]

[10] This process can be used to form an orthonormal basis, which is a basis of unit vectors that are pairwise orthogonal.

ANSWER: **Gram-Schmidt** process [accept **Gram-Schmidt** orthogonalization] <Math, Siddiqui>

9. **A member of this school of thought conducted an extended debate with Thomas Carlyle over whether racism is good. A modern approach to this philosophy based on "equal consideration of interests" was created by the author of "Famine, Affluence, and Morality." Another thinker who worked in this tradition of Peter Singer is the author of *The Methods of Ethics*, (\*) Henry Sidgwick. A thinker from this school of thought proposed the "panopticon." A thinker who formulated the "harm principle" in *On Liberty* also wrote a book titled for this school of thought. J. S. Mill belonged to, for 10 points, what school of thought originated by Jeremy Bentham, based on maximizing happiness?**

ANSWER: **utilitarianism** [prompt on answers like animal rights or animal liberation with "which Singer and Bentham advocate based on what other philosophical school?"] (The first sentence refers to Mill, who took the "racism is bad" position in that exchange) <Philosophy, DL>

*Idaho v. Freeman* rescinded a state's right to withdraw support for this amendment. For 10 points each,

[10] Name this amendment that failed to gain the support of 38 states by 1982, due in part to the efforts of Phyllis Schlafly. If passed, it would prohibit any discrimination based on sex.

ANSWER: **E**qual **R**ights **A**men~~ment~~

[10] Although the Equal Rights Amendment was originally named after Lucretia Mott, it was written in 1923 by this long-time leader of the National Woman's Party. Along with Lucy Burns, she organized the first suffrage parade in the capital in 1913.

ANSWER: Alice Stokes **Paul**

[10] Alice Paul achieved earlier success after helping to pass this amendment, which gave women the right to vote.

ANSWER: **19th** Amendment <US History, Gayden, Ed.>

[Moderator Note: Make sure to stress "this title concept"]

10. **In one poem by Percy Shelley, this title concept is described as "summer winds that creep from flower to flower." That poem begins with "The awful shadow of some unseen power" and is a Hymn to the Intellectual type of this concept. In another poem titled for this concept, "All that's best of dark and bright" (\*) "meet in**

her aspect and her eyes." In "Ode on a Grecian Urn", John Keats equates this concept with truth, after which he says "that is all ye need to know." For 10 Points, Lord Byron wrote a poem about a woman who "walks in" what title concept?

ANSWER: **Beauty** (Accept "Hymn to Intellectual **Beauty**" or "She Walks in **Beauty**") <British Literature, Siddiqui>

The musicians who play at these places are colloquially known as windjammers. For 10 points each, [10] Name these places. Screamer are played at these places to stir up the audience and are usually used to accompany the antics of elephants and clowns.

ANSWER: **circuses**

[10] The most popular circus march in the world is undoubtedly Louis-Philippe Laurendeau's band arrangement of this march by Julius Fučík ["FOO-chick"]. It was originally titled "Grande March Chromatique".

ANSWER: "**Entrance of the Gladiators**" [accept "**Entry of the Gladiators**"]

[10] A piece frequently played during trapeze shows is Juventino Rosas' piece "Sobre las Olas", a work in this genre. "Sobre las Olas" was originally thought to be composed by Johann Strauss II, who composed a work of this genre titled *On the Beautiful Blue Danube*.

ANSWER: **waltzes**<Auditory/Other Fine Arts, Sun>

11. **The smallest species of this animal is named after Sir James Hector, and a subspecies of that animal is named after the Maori name for New Zealand's North Island. The Baiji is thought to be the first species of this animal driven to extinction by humans. Animals of this type living in the Amazon River Basin have an unusual (\*) pink hue, and some of these cetaceans can use a signature whistle to identify themselves in their groups. Contrary to popular belief, these marine animals did not actually return to the waters of the Venice Canal during the COVID-19 pandemic. For 10 points, name this type of marine mammal, whose species include the bottlenose.**

ANSWER: **dolphins** [prompt on cetaceans before read; prompt on toothed **whales** or **Odontoceti**] <Biology, Sun>

One of these institutions housed a copy of the *Poor Man of Nippur*, for 10 points each.

[10] Name these institutions, the first of which was built by Ashurbanipal. Another one of these institutions in Alexandria standardized Homeric texts.

ANSWER: **library** [accept Great **Library** of Alexandria; accept but do not otherwise reveal Royal **Library** of Ashurbanipal]

[10] Ashurbanipal, the builder of the world's first library, ruled this empire. This empire's ruler Tiglath Pilsar III lived in Nineveh, this empire's capital.

ANSWER: Neo-**Assyrian** Empire

[10] Although not Persian, this Iranian ethnic group played a big role in defeating the Assyrians. Their final ruler was Astyages and Cyrus the Great eventually incorporated this ethnic group into his empire.

ANSWER: **Medes** [accept **Medians**] <Ancient/Mixed/Other History, Pavlou, Ed.>

12. **In December 2020, the US banned imports from the cotton producer XPCC in this country. Calls to boycott products from this country led to India banning over 200 apps as of November 2020. One of those apps almost sold its US operations to Oracle and Walmart before being blocked by the Trump administration. HiSilicon produces chips for a company in this country whose CFO is under (\*) house arrest in Canada for illegally selling products to Iran. This country has received international criticism for its detainment of Uyghurs. For 10 points, name this country led by Xi Jinping.**

ANSWER: People's Republic of **China** [accept **Zhōngguó**; do NOT accept or prompt on "Republic of China"] <Current Events, Gayden and Nori>

The DICE model attempts to model the macroeconomic effects of this phenomenon. For 10 points each:

[10] Identify this phenomenon studied by William Nordhaus and Paul Romer, the winners of the 2018 Nobel Laureate in Economics.

ANSWER: anthropomorphic **climate change** [or **global warming**]

[10] Classical approaches to issues like climate change and pollution in economics often see them as “negative” examples of these side effects of economic activity that are not reflected in equilibrium prices. The “Coase Theorem” suggests that bargaining will resolve them as long as transaction costs are low.

ANSWER: **externalities** [accept word forms]

[10] A classic method for resolving externalities involves levying a “Pigouvian” type of these laws. The IRS enforces these laws, which can come in “ad valorem” or “ad personam” types like the “income” one.

ANSWER: **taxes** <Social Science, DL>

13. **Pistol shots and a typewriter depict a “Young American Girl” in one ballet by this composer. This composer composed *Je te veux* [“jeh teh vuh”] during his time as a cabaret pianist, and he cooperated with Jean Cocteau on his ballet *Parade* [“pa-RAHD”]. This composer instructed the performer to play the same theme 840 times in a row in his work (\*) *Vexations*, and he also depicted crustaceans and sea cucumbers in *Desiccated Embryos*. This composer of the *Gnossiennes* [“no-see-EN”] also composed a set of three slow pieces in three four time intended to evoke an ancient Greek dance. For 10 points, name this composer of the *Gymnopedies* [“gem-no-pee-DEE”].**

ANSWER: Erik **Satie** <Auditory Fine Arts, Sun>

Northern Europe during the Medieval period was an interesting time to be alive. For 10 points each:

[10] These seafaring people from Scandinavia would often raid Britain and contrary to popular belief did not wear horns on their helmets.

ANSWER: **Vikings** [accept **Norsemen**]

[10] This battle which saw Harold Godwinson emerge victorious is considered the end of the Viking Age. A legend states that at this battle a Viking warrior held off the entire Anglo-Saxon army.

ANSWER: Battle of **Stamford Bridge**

[10] Although Stamford Bridge was the end of the Viking Age, the beginning of the Viking Age was when an abbey on this island was raided. The raid on this Holy Island was chronicled by Alcuin of York.

ANSWER: **Lindisfarne** <European History, Pavlou, Ed.>

14. **Followers of this religion meditate on the various names of its god in the Naam Japo and try to subdue ego, anger, greed, attachment, and lust, which are collectively known as “thieves.” Visitors to this religion’s places of worship are able to eat free meals in *langars*. 75% of this religion’s adherents live in the state of (\*) Punjab. Devotees of this religion are required to wear items such a comb and a dagger as part of the Five Ks. The holy text of this religion, the *Adi Granth*, is also considered to be its last guru. For 10 points, name this Indian religion founded by Guru Nanak.**

ANSWER: **Sikhism** [or **Sikhi**] <Religion, Sumanth>

For these substances, the fugacity coefficient and compressibility factor are equal to 1. For 10 points each,

[10] Name these substances whose namesake constant is abbreviated R and has a value of 8.314 Joules per Kelvin per mol.

ANSWER: **ideal gases** [prompt on just “**gases**”]

[10] In the Van Der Waals modification of the Ideal Gas Law, the coefficient “a” corrects this quantity by accounting for any intermolecular forces.

ANSWER: **pressure**

[10] A molecule in an ideal gas has a kinetic energy of 3/2 times Boltzmann’s constant times temperature as a result of this theorem. This theorem relates the distribution of the energy of a system to its degrees of freedom.

ANSWER: **equipartition** theorem [or **equipartition** principle, law of **equipartition**] <Chemistry, Siddiqui>

15. **Francisco Barroso won a major naval victory during this war by ramming ships. The capture of the Humaitá fortress was a turning point of this war. A national holiday was declared in this war's losing country in honor of child soldiers who died during the Battle of Acosta Ñu. This war began with the invasion of (\*) Mato Grosso. An estimated 90% of the losing side's male population was killed during this war. This war ended at the Battle of Cerro Cora, where Francisco Solano Lopez was killed by the forces of Pedro II. For 10 points, name this bloody South American war between three South American countries and Paraguay.**

ANSWER: War of the **Triple Alliance** [or **Paraguayan War**] <World History, Gayden>

For 10 points each, answer the following about the UEFA [you-AY-fah] Champions League.

[10] This team is currently the only team in history to win the Champions League three times in a row, from the 2015-2016 Season to the 2017-2018 Season.

ANSWER: **Real Madrid** (prompt on "Madrid")

[10] This Croatian striker scored a bicycle kick in Italian giant Juventus' defeat in the 2017 Champions League final where his team lost 4-1 against Real Madrid.

ANSWER: Mario **Mandzukic**

[10] This top scorer in the Champions League left Real Madrid in 2018 to join Juventus. In 2021, this Portuguese Forward became the all-time soccer top scorer ahead of Pelé.

ANSWER: Cristiano **Ronaldo** <Sports, Shi>

16. **While one character in this novel wistfully reminisces about his wife and cherry orchard, Haie Westhus dreads returning to peat digging. After seeing a poster at a tavern, the central characters of this novel meet 3 French women while swimming in a canal. In this novel, the bed-wetting Tjaden gets revenge on (\*) Corporal Himmelstoss by whipping him with a bed cover over his head. A character in this novel whose legs have been amputated gifts Muller his boots, and the teacher Kantorek inspires the central group to fight for the fatherland. For 10 points, name this novel narrated by Paul Baumer about the horrors of World War I by Erich Maria Remarque.**

ANSWER: **All Quiet on the Western Front** <European Literature, Gayden>

This work was inspired by FDR's 1941 State of the Union Address. For 10 points each,

[10] Name this work. A woman in a white apron brings a large roast turkey to the table in this work's "from want" section.

ANSWER: *The **Four Freedoms***

[10] This artist who depicted Ruby Bridges being escorted by U.S. Marshals in *The Problem We All Live With* also painted *The Four Freedoms*.

ANSWER: Norman **Rockwell**

[10] Another Rockwell work that appeared on the cover of the *Saturday Evening Post* depicted this character stepping on a copy of Mein Kampf. This character was introduced in a song by Redd Evans and John Jacob Loeb.

ANSWER: **Rosie** the Riveter <Visual Fine Arts, Gayden, Ed. Sun>

17. **This architect designed a sofa pit for his Miller House and Garden in Columbus, Indiana. Harry Bertoina created a full-height metal sculpture above a marble altar inside a circular brick chapel designed by this architect. A curved roof forms a one-eighth sphere in this architect's (\*) Kresge Auditorium at MIT. This architect's many designs for airports include the TWA Terminal of the JFK Airport, and the main terminal at the Washington Dulles Airport. Another of this architect's works is built in the shape of an inverted catenary curve, and sits on the west bank of the Mississippi River. For 10 points, name this Finnish-American architect of St. Louis' *Gateway Arch*.**

ANSWER: Eero **Saarin** [do not accept or prompt on "Eliel Saarinen"] <Other Fine Arts, Gayden>

English isn't the only language spoken in England. For 10 points each:

[10] The namesake Celtic language of this southwesternmost county of England has been revived in recent years after going extinct in the 17th century. The Mebyon Kernow party supports the independence of this county.

ANSWER: **Cornwall** [accept **Cornish**]

[10] The islands of Jersey and Guernsey in this body of water speak languages closely related to French. What body of water, which is spanned by the Eurotunnel, are these islands in?

ANSWER: **English Channel** [accept **La Manche**, **The Channel**]

[10] This language, whose name comes from the Italian for “to talk”, has been used for centuries by England’s gay community and circus performers to communicate among themselves, but is now on the verge of language death.

ANSWER: **Polari** <World Geography, Myers>

18. **Project FAMOUS used ALVIN to observe this process. During the mid-Cretaceous, this process underwent a massive pulse, resulting in a global sea-level highstand. This phenomenon preserves the history of reversals in the Earth’s magnetic field in the form of magnetic stripes according to the (\*) Vine-Matthews-Morley hypothesis.** Hydrothermal vents are commonly found in regions where this process is occurring. This process, which was first proposed by Harry Hess, is caused by convections in the asthenosphere. For 10 points, name this process that creates new oceanic crust at mid-ocean ridges, the reason behind continental drift.

ANSWER: **seafloor spreading** [prompt on plate **tectonics** or **continental drift**] <Other Science, Sun>

Answer the following about people named Crane in literature. For 10 points each,

[10] The schoolteacher Ichabod Crane competes with this man for the hand of Katrina van Tassel. It is debated whether this man impersonated the Headless Horseman that scares off Ichabod.

ANSWER: **Brom Bones** (Accept Brom **Bones** or Abraham **Van Brunt**)

[10] In this novel by Stephen Crane, Henry Fleming witnesses the death of his friend Jim Conklin while fighting in the Civil War.

ANSWER: *The **Red Badge of Courage***

[10] Hart Crane wrote a poem titled for one of these structures which contains the sections “Powhatan’s Daughter” and “Cape Hatteras.” Thornton Wilder wrote about one of these structures “of San Luis Rey.”

ANSWER: **bridge** <US Literature, Siddiqui>

19. **This event took place following the failure of Operation Zapata. One man commanded, “don’t wait for the translation, answer yes or no!” in a speech at the UN Security Council during this event. Charles Maultsby got lost during it, and Rudolf Anderson became the only combat casualty of this event after his (\*) U2 reconnaissance aircraft was shot down. The Hotline Agreement was signed in response to this event, which was resolved after the US removed weapons from Turkey. For 10 points, name this 13-day 1962 crisis, during which the Soviet Union put missiles on a Caribbean island close to the US.**

ANSWER: **Cuban Missile Crisis** [accept **October Crisis** or **Caribbean Crisis**] <US History, Gayden>

The formulator of this statement illustrated it with a thought experiment involving looking at an electron through a microscope. For 10 points each,

[10] Name this principle from quantum mechanics. One formulation of this law states that both position and momentum of a particle cannot be known at the same time.

ANSWER: **Heisenberg Uncertainty** Principle [accept either underlined portion]

[10] Formally, the Heisenberg Uncertainty principle states that the product of the standard deviations of position and momentum is greater than or equal to the reduced form of this constant over two. This constant is also the ratio between the energy and wavelength of a photon.

ANSWER: **Planck** Constant [accept **Planck’s** Constant or **h**]

[10] The Heisenberg Uncertainty Principle refuted this deterministic thought experiment proposed by a French physicist, which postulates a namesake being that can, given the precise location and momentum of every atom in the universe, predict the future.



ANSWER: **Laplace's Demon** [prompt on partial answer] <Physics, Sun>

20. A “very naughty” character of this type comes face-to-face with a farmer after looking for some parsley in Mr. McGregor’s garden. With the help of the Nuthanger Farm watchdog, a group of these characters led by Hazel fight against the Efrfans. In that novel, Fiver foresees the destruction of (\*) Sandleford Warren, leading a group of these animals to find a new home. Another one of these animals “raises a dust” and “nibbles up the butter” in *Legends of the Old Plantation* before being thrown in briars for striking a tar baby. Richard Adams’ *Watership Down* depicted, for 10 points, what animals exemplified by Br’er and Peter?

ANSWER: **rabbit** (accept **bunny**; prompt on animal; prompt on Leporidae or Lagomorpha) <Ancient/Mixed/Other Literature, Gayden>

Answer the following about the Brandenburg Concertos, for 10 points each.

[10] This composer of the Brandenburg Concertos also composed *The Well-Tempered Clavier* and *The St. Matthew Passion*.

ANSWER: Johann Sebastian **Bach**

[10] The fifth Brandenburg Concerto features a virtuosic cadenza for this instrument. Wanda Landowska, a player of this instrument, recorded Bach’s *Goldberg Variations* on this instrument.

ANSWER: **harpsichord** [prompt on clavier; do not accept clavichord or piano]

[10] The first movement of the first Brandenburg Concerto was later used as the *sinfonia* of one of Bach’s works of this type. Bach wrote over 200 of these choral works, including one about Lieschen’s love for coffee.

ANSWER: **cantatas** <Auditory Fine Arts, Sun>

**TIEBREAKER: In *U.S. v Nixon*, Chief Justice Warren Burger cited a line from this decision’s majority opinion to argue for absolute executive privilege. This case was decided one week before the related *Stuart v. Laird*. This case decided it was “emphatically the province and duty of the judicial department” to deny to issue a (\*) writ of mandamus to the plaintiff, who was appointed as a Justice of the Peace. This case ruled section 13 of the Judiciary Act unconstitutional and overturned it, making it the first use of judicial review in the United States.**

For 10 points, name this 1803 Supreme Court case, which was argued by the fourth US President.

ANSWER: ***Marbury v. Madison*** <US History, Liu and Gayden, Ed.>