

2019 Wayzata Academic Invitational Tournament

Written by Ashwin Halepet, Amogh Kulkarni, Brian Lin, Bryanna Shao, Cece Shao, and Ben Weiner
Head edited by Carsten Gehring, with Rob Carson, Geoffrey Chen, Tora Husar, Joe Kammann, and Brian Sachs

Packet 3

Tossups

1. Diego Rivera's works in this style include *Zapatista Landscape*, which shows objects like a sombrero and a rifle against a mountainous landscape. Louis Vauxcelles is credited with naming this movement, in which some artists used *papiers collés* [pah-pyay ko-LAYZ] in the synthetic version of this movement, which contrasted with the earlier (*) analytic version. The artist of *Houses at L'Estaque*, Georges Braque [brock], helped found this movement along with a painter who depicted masked women dancing nude in *Les Femmes d'Alger (O. J. R. Version O)*. For 10 points, name this geometric art movement, exemplified by Pablo Picasso.

ANSWER: cubism [accept synthetic cubism; accept analytic cubism] <CS> Ed. TH

2. This leader's development of a youth organization was inspired by a meeting with Robert Baden-Powell, the founder of Boy Scouts. After the assassination of one of his generals, this leader ordered an attack on a Greek island in the Corfu Affair. Two-thirds of Parliamentary seats were granted to this man's party through the (*) Acerbo [ah-CHER-boh] Law. This man's Lateran Pacts with Pius XI granted independence to the Vatican. This dictator was appointed prime minister by King Victor Emmanuel III after this man's Blackshirts marched on Rome. For 10 points, name this "duce" [DOO-chay], the leader of fascist Italy.

ANSWER: Benito Amilcare Andrea Mussolini <BL> Ed. TH

3. The name of this play partially titles Claire Bloom's memoir about her relationship with ex-husband Philip Roth. In this play, the main character is affectionately called a little squirrel by her husband; that woman dances the tarantella as a distraction and is sent cards with black crosses in the mail by the syphilitic (*) Dr. Rank. This play ends as the protagonist, a childhood friend of Christine Linde, slams a door. Krogstad blackmails the protagonist of this play after her husband, Torvald, fires him from his job at the bank. For 10 points, name this play about Nora Helmer, written by Henrik Ibsen.

ANSWER: A Doll's House [accept *Leaving a Doll's House*] <BS> Ed. JK

4. In 2017, the kilogram was redefined in terms of this quantity, as measured by the NIST-4 Kibble balance. Dividing this quantity by a particle's momentum gives its de Broglie wavelength. The reduced form of this constant is equal to it divided by two pi and is often written with a (*) bar over the letter that denotes it. Photon frequency times this constant gives photon energy. This quantity is equal to approximately 6.63 times ten to the negative 34 joule seconds. For 10 points, identify this fundamental constant named for the German physicist who discovered blackbody radiation.

ANSWER: Planck's constant [or h; do not accept or prompt on "reduced Planck's constant"; do not accept or prompt on "h-bar"] <BW> Ed. GC

5. Sergei Diaghilev [dee-AH-guh-lev] was rumored to have recited Pushkin and wept after this ballet's premiere. In the first version of this ballet, girls with braids and red and gold dresses designed by Nicholas Roerich dance a *khorovod* folk dance. An unusually high bassoon solo supposedly caused a composer to (*) storm out of this ballet's premiere during the part called "The Adoration of the Earth." In this ballet, which was first choreographed by Vaslav Nijinsky, the Chosen One dances himself or herself to death as a sacrifice. For 10 points, name this Igor Stravinsky ballet set in pagan Russia that shocked audiences at its premiere.

ANSWER: *The Rite of Spring* [accept *Le Sacre du printemps*; accept *Vesna svyashchennaya*] <CS> Ed. TH

6. When the aroma of wine drove some of these beings mad and led them to attack Heracles, Heracles's poisoned arrows accidentally killed a hospitable one of these beings named Pholos. When one of these creatures named Eurytion tried to kidnap Hippodamia at her (*) wedding, he sparked a war between these creatures and the Lapiths. The blood of one of these beings was smeared by Deianeira [dee-uh-NIGH-ruh] on the inside of Heracles's robe. Another of these creatures trained heroes like Achilles. For 10 points, name these mythological creatures that included Nessus and Chiron, who were half man and half horse.

ANSWER: centaurs <BL> Ed. TH

7. The author of this play rejected a happier ending devised by Sir Herbert Tree, saying Tree "ought to be shot" for it. A character in this work who lives at Wimpole Place is accused of working for the police since he is taking notes. A dustman in this play becomes wealthy after he is jokingly called England's "most original (*) moralist"; that man's daughter in this play marries a man who bumps into her at Covent Garden named Freddy Eynsford-Hill. This play centers on a bet between Henry Higgins and Colonel Pickering. For 10 points, name this play about the flower girl Eliza Doolittle, written by George Bernard Shaw.

ANSWER: Pygmalion <BS> Ed. JK

8. This symphony begins with a passage played by the basses, violas, and cellos in 4/8 ["four eight"] time. Its second movement was originally marked andante, but the composer changed it after Anton Seidl conducted it slower than written at its premiere. Its third-movement scherzo was inspired by (*) Longfellow's *Song of Hiawatha*. Its second movement, marked largo, features an English horn solo that was later adapted into the song "Goin' Home." A trip to Spillville, Iowa, and exposure to African American spirituals both inspired, for 10 points, what final symphony by Antonin Dvorak [duh-VOR-zhahk]?

ANSWER: New World Symphony [accept either underlined portion of Symphony no. 9 (in E Minor), "From the New World"; accept Z nového sveta] <BS> Ed. RC

9. A character in this play visits the zoo instead of going to her business classes. Another character in this play despises his job at a shoe warehouse and goes to the movies every night; that character, nicknamed "Shakespeare," agrees to invite his high school classmate to dinner in this play, and his mother (*) Amanda awaits "gentlemen callers" for her disabled daughter. Jim O'Connor accidentally breaks the horn off Laura's unicorn figurine while dancing with her in this play. For 10 points, name this memory play about the Wingfield family, written by Tennessee Williams.

ANSWER: The Glass Menagerie <CS> Ed. JK

10. In the MacArthur-Forrest process, this ion forms a complex with gold, producing a water-soluble complex. The organic equivalent of this ion is found in a category of compounds called nitriles. A complex of this ion and iron forms the pigment Prussian blue. This ion acts as an inhibitor of cytochrome C oxidase, which makes it useful in (*) poisonous gases, such as Zyklon B. This anion with negative one charge is isoelectronic to carbon monoxide and dinitrogen. The hydracid of this anion smells like almonds. A carbon triple bonded to a nitrogen composes, for 10 points, what ion found in suicide pills?

ANSWER: cyanide ion [accept CN minus until "carbon triple bonded" is read; prompt on "nitriles"] <AH> Ed. GC

11. A poorly translated Chinese bootleg copy of this film titled “Backstroke of the West” hilariously changes a quote from the end of this film to “do not want.” In this film, a cyborg is killed on Utapau after fleeing his ship, the *Invisible Hand*. Nute Gunray and other Separatist leaders are (*) slaughtered on Mustafar in this film following the dissolution of the Galactic Republic. This film sees the Clone Army betray the Jedi after Order 66 is executed by Chancellor Palpatine. For 10 points, name this 2005 entry in the Star Wars franchise, the final installment in the prequel trilogy.

ANSWER: Star Wars Episode III: Revenge of the Sith [accept either underlined portion; prompt on “ROTS,” “Star Wars III,” or “Episode III”] (The first line references how Darth Vader’s already laughable “Nooooo!” at the end of the film becomes “Do not want.”) <BW>

12. Sphingolipidoses [SPHING-oh-lip-uh-DOH-sees] are an inborn error of metabolism that affects these structures. Proteins destined for these structures undergo glycosylation [gly-cos-uh-LAY-shun] by mannose-6-phosphate. A lack of hexosaminidase [HEX-oh-sum-IN-uh-days] in these bodies leads to toxic ganglioside buildup in the nervous system in (*) Tay-Sachs disease, an example of one of these organelles’ “storage disorders.” The neutral pH of the cell prevents the acidic hydrolases in these organelles from destroying the cell when they leak. For 10 points, identify these specialized vesicles responsible for breaking down biomolecules.

ANSWER: lysosomes <BW> Ed. GC

13. The narrator of this poem believes “one thing is certain, and the rest is lies; the flower that once has blown forever dies.” Hector Hugh Munro took his pen name from “The Eternal Saki” in this poem. This poem describes a rose “where some buried Caesar bled.” In this poem, “the (*) Moving Finger writes, and, having writ, moves on.” Edward Fitzgerald’s translation of this poem describes “a book of verses underneath the bough, a jug of wine, a loaf of bread, – and thou.” For 10 points, name this set of quatrains written by the Persian poet Omar Khayyam.

ANSWER: Rubaiyat of Omar Khayyam <CS> Ed. JK

14. This man’s right triangle theorem states that a rational right triangle cannot have an area that is the square of a rational number. Euler’s totient theorem generalizes the statement “a raised to the p is congruent to a mod p if p is prime,” which is this man’s “little theorem.” This man’s namesake numbers are given by the formula of one plus two to two to the n. Andrew (*) Wiles proved a theorem named for this man, which states that there is no solution to “a to the n plus b to the n equals c to the n” for n greater than two. For 10 points, name this French mathematician who names a “last” theorem.

ANSWER: Pierre de Fermat [accept Fermat’s Last Theorem; Fermat’s Little Theorem; Fermat’s Right Triangle Theorem; Fermat numbers] <AH> Ed. GC

15. The first woman to receive capital punishment in the United States, Mary Surratt, was executed for her involvement in this event. William Seward’s metal splint protected him from attacks by Lewis Powell, a conspirator in this event. Doctor Samuel Mudd was imprisoned for treating the injured leg of one of the perpetrators of this event, who (*) fled with David Herold to a barn in Virginia. The main perpetrator of this event allegedly exclaimed “Sic semper tyrannis!” after shooting a man in the head during a performance at Ford’s Theater. For 10 points, name this event in which the sixteenth president of the United States was killed.

ANSWER: assassination of Abraham Lincoln [accept anything indicating the death or murder of Lincoln; prompt on answers that do not include Lincoln] <AK> Ed. TH

16. A class of these beings appeared as nested wheels with many eyes on the rims. A group of these beings called the Zabaniyah rule over Islamic hell. One of these beings appears to Daniel and states that it fought against the prince of Persia. The second article of Islamic faith is to believe in these beings, one of which is called (*) Jibril and appeared to Muhammad. In Christianity, these beings exist in the heavenly spheres, with the first sphere including types called Cherubim and Seraphim. For 10 points, name these celestial beings, examples of which include Michael and Raphael.

ANSWER: archangels [accept malak] <AH> Ed. JK

17. According to Peter Struck, the wealthiest athlete in history was Gaius Appuleius Diocles [ah-puh-LAY-us die-AWK-lees], who won the equivalent of 15 billion dollars by competing in this sport. Scorpilus excelled at this sport, and the Nika Riots saw the Blue and Green factions of this sport (*) unite against Justinian. In Constantinople, this sport took place in the Hippodrome, while in Rome, it was held in the Circus Maximus. The most popular form of this sport used quadrigas, which were drawn by four horses. For 10 points, name this ancient sport in which several horses pulled a wheeled vehicle.

ANSWER: chariot racing [accept circenses; accept word forms; prompt on “racing” alone] <BL> Ed. TH

18. This book claims that dignity is the recognized worth of an individual and that worth is the measure of power. This book discusses how the absence of miracles means that only the books of the Bible can be trusted. A section of this book claims that the misinterpretation of scripture brings about “the kingdom of (*) darkness.” This book’s first section, “Of Man,” describes the state of nature as “the war of all against all.” For 10 points, name this philosophical work that describes life as “solitary, poore, nasty, brutish, and short,” the magnum opus of Thomas Hobbes.

ANSWER: *The Leviathan*, or *The Matter, Forme and Power of a Common Wealth Ecclesiasticall and Civil* <AK> Ed. GC

19. This nation’s founder united the Nejd and Hejaz and is the father of every subsequent leader of this nation. The Al ash-Sheiks [shakes], who are descended from Muhammad ibn Abd al-Wahhab, are the leading religious advisers of this country. During World War I, British diplomat T. E. Lawrence was ordered to assist this nation’s (*) revolt against Ottoman rule. This nation was founded after its first king defeated the Rashidi family at the Battle of Riyadh [ree-YAHD]. For 10 points, name this Middle Eastern theocratic monarchy that occupies most of its namesake peninsula and was founded in 1932 by Ibn Saud.

ANSWER: Kingdom of Saudi Arabia [prompt on “Kingdom of Hejaz” before read; prompt on “Arabia”] <BL> Ed. TH

20. In 2019, Gideon Sa’ar criticized this leader as “only human” after announcing a party leadership challenge. This politician was accused of exchanging positive press coverage in return for favorable contracts with the telecommunications company Bezeq [beh-zick]. This man was challenged in his current position by the leader of the Blue and White Party, (*) Benny Gantz. Elections in September 2019 saw this leader’s party lose six Knesset [NESS-et] seats, and this leader made a campaign promise to annex large portions of the West Bank. For 10 points, name this embattled prime minister of Israel.

ANSWER: Benjamin Netanyahu [prompt on “Bibi”] <BL> Ed. BS

Tiebreaker: This figure, also known as Zaphnath-Paaneah [SAF-nat puh-NEE-uh], once envisioned sheaves of wheat bowing to him. Zuleika attempted to seduce this man, and then told her husband, Potiphar, that this man had raped her. This man interpreted that a dream of lean and fat cows meant seven years of plenty followed by seven years of (*) famine were to come. Reuben was the only one of this man’s brothers who didn’t want to kill him. This man was sold into slavery in Egypt, where he used his gift of divination to become second to the pharaoh. For 10 points, name this man, the son of Rachel and Jacob and owner of a “coat of many colors.”

ANSWER: Joseph [or Yosef; or Yusuf] <AH> Ed. JK

Bonuses

1. Mary Wollstonecraft was one of the first to write about this movement when she advocated for equality in education. For 10 points each:

[10] Name this movement that advocates for the equality of the sexes. Its first wave centered on suffrage, and its fourth wave is defined by the #MeToo movement.

ANSWER: **feminism**

[10] This feminist author described the “problem that has no name” in *The Feminine Mystique*. She was also the first president of the National Organization for Women.

ANSWER: Betty **Friedan**

[10] This journalist created *Ms.* magazine. She published the exposé “A Bunny’s Tale” after going undercover as a Playboy bunny, revealing the sexist culture and practices surrounding the job.

ANSWER: Gloria Marie **Steinem** <CS> Ed. GC

2. This region encompasses Baffin Island, part of Victoria Island, and all of Ellesmere Island, which are Canada’s three largest islands. For 10 points each:

[10] Name this territory that was separated from the Northwest Territories in 1999.

ANSWER: **Nunavut**

[10] This city is the capital of Nunavut. This city was previously known as Frobisher Bay until it reverted to its indigenous name.

ANSWER: **Iqaluit**

[10] Iqaluit means “place of fish” in this native language of Nunavut. This language is spoken across the Canadian arctic and is closely related to Greenlandic.

ANSWER: **Inuktitut** <BL> Ed. BS

3. This character resents his lazy flute-playing father. For 10 points each:

[10] Name this character who is exiled from Umuofia after his gun explodes at a funeral. As a young man, he defeated Amalinze the Cat in a wrestling match.

ANSWER: **Okonkwo**

[10] Okonkwo is the protagonist of this novel by Nigerian author Chinua Achebe.

ANSWER: **Things Fall Apart**

[10] In *Things Fall Apart*, villagers mistake this item for an “iron horse” and kill the white man who owned it. Achebe’s short story *Civil Peace* follows Jonathan as he uses this item to run a taxi service after the Biafran War.

ANSWER: **bicycle** <BS> Ed. JK

4. A monarch in this nation was overthrown and replaced by an unpopular military regime led by Marshal Deodoro da Fonseca. For 10 points each:

[10] Name this nation that fought the Ragamuffin War in its southern state of Rio Grande do Sul.

ANSWER: Empire of **Brazil**

[10] The only two emperors of Brazil both shared this first name. Two rulers from Castile and Aragon who both had this name fought a fourteenth century war against each other.

ANSWER: Dom **Pedro** [or **Peter**; accept **Pedro** I; accept **Pedro** II; accept **Peter** of Castile; accept **Peter** of Aragon; **Peter** and **Pedro** are interchangeable in any of these answerlines]

[10] While Pedro II of Brazil was vacationing in Europe, his daughter Isabel signed the Golden Law, which ended this practice of forced servitude.

ANSWER: chattel **slavery** <BL> Ed. TH

5. Le Chatelier's principle can be used to determine how a system at this state will respond to various disruptions. For 10 points each:

[10] Name this state in which the concentrations of reactants and products in a chemical system are constant since the forward and reverse reactions are occurring at the same rate.

ANSWER: chemical **equilibrium**

[10] When at equilibrium, the system's value for this type of energy will be at its minimum. A reaction is spontaneous if the change in this quantity is negative.

ANSWER: **Gibbs free** energy [prompt on "free energy" or "delta G"]

[10] This equation relates the change in the equilibrium constant to the change in the temperature of a system given the change in enthalpy. It can be visualized by plotting the logarithm of the equilibrium constant against the inverse of temperature, producing a straight line.

ANSWER: **van't Hoff** equation [or **van't Hoff** plots] <BW> Ed. GC

6. Following this event, a Roman soldier decided to pierce the side of its subject rather than break the subject's legs. For 10 points each:

[10] Name this event, which eventually caused the death of a man from Nazareth and is commemorated by Good Friday.

ANSWER: **Crucifixion** of Jesus Christ [prompt on any answers indicating Jesus's death without explicitly mentioning the word **Crucifixion**]

[10] The Crucifixion marks the end of this period at the end of Jesus's life. It consists of the period from Jesus's entry into Jerusalem on Palm Sunday through his crucifixion on Good Friday.

ANSWER: The **Passion** [or **Passio**]

[10] On the way to his crucifixion, Jesus walked this path, a popular site for Christian pilgrimages. This path includes the Stations of the Cross.

ANSWER: **Via Dolorosa** <BW> Ed. JK

7. This composer placed objects like screws and weather stripping between a piano's strings to create the "prepared piano," for which he wrote such works as *Sonatas and Interludes*. For 10 points each:

[10] Name this avant-garde American composer who instructed one or more performers to sit on stage not playing their instruments for the title amount of time in his 4'33" ["four minutes thirty-three seconds"].

ANSWER: John **Cage** [or John Milton **Cage** Jr.]

[10] Cage's *Imaginary Landscape no. 4* is written entirely for twelve of these devices, each requiring two performers: one to tune and one to adjust amplitude and timbre [TAM-bur].

ANSWER: **radios**

[10] A 1987 Cage piece commonly called "As Slow as Possible" is currently being performed on one of these instruments at a church in Halberstadt, Germany; the performance is scheduled to last 639 years.

ANSWER: (pipe) **organ** <CS> Ed. RC

8. The most recent game in this series will have over 80 playable characters following the release of all the DLC fighter packs. For 10 points each:

[10] *Ultimate* is the most recent entry in this Nintendo crossover fighting series directed by Masahiro Sakurai. Other entries in this series include *Brawl* and *Melee*.

ANSWER: **Super Smash Bros.** [accept **Super Smash Brothers**; accept **Super Smash Bros. Melee**, **Super Smash Bros. Ultimate**, **Super Smash Bros. Brawl**; prompt on **Smash Bros.**, **Smash Brothers**, or **Smash**]

[10] Nintendo's E3 2019 presentation announced that this bear-bird duo of Microsoft-owned Rare characters will be the third DLC fighter. They starred in two games for the Nintendo 64 and battled the witch Gruntilda.

ANSWER: **Banjo-Kazooie** [accept **Banjo** and **Kazooie** in either order; prompt on partial answers]

[10] The first DLC character for *Ultimate* was Joker, from the fifth installment in this series. This Atlus-developed series is a spinoff of the much larger *Shin Megami Tensei* series of JRPGs.

ANSWER: **Persona** [accept **Shin Megami Tensei: Persona** or Revelations: **Persona**; prompt on **Revelations** by itself] <BW> Ed. JK

9. This group often fought “mourning wars,” wherein members of other tribes were taken captive to replace fallen warriors or the sick. For 10 points each:

[10] Name this Native American confederacy that defeated the Huron People and the Neutral Nation.

ANSWER: **Iroquois** League [or **Haudenosaunee**; or **Iroquois** Confederacy; or **Six Nations**]

[10] The Iroquois fought a series of wars named for this animal against tribes like the Huron to monopolize their trade of the fur of these animals with Europeans. This animal’s pelt was often used to make fashionable hats.

ANSWER: **beavers** [accept beaver **hides** or beaver **furs** for pelts]

[10] The Iroquois practice this type of kinship, in which descent is traced through the mother’s ancestral line and the eldest woman in each family is venerated as the Clan Mother. Because of their power through this kinship line, Clan Mothers were able to call for mourning wars.

ANSWER: **matrilineality** [or **matriliny**] <BL> Ed. TH

10. The main character of this story was once known as Adolph Meyers. For 10 points each:

[10] Name this story, which focuses on Wing Biddlebaum’s past as a schoolteacher accused of molesting students. The title body parts are his distinguishing feature, but he is inclined to hide them from sight.

ANSWER: **“Hands”**

[10] “Hands” is a story from this collection. The characters Dr. Reefy and Elizabeth Willard both appear in stories in this collection, which begins with “The Book of the Grotesque.” The title town includes locations like Tom Willy’s saloon.

ANSWER: **Winesburg, Ohio**

[10] *Winesburg, Ohio* was written by this author, who was mocked by Ernest Hemingway in *The Torrents of Spring*.

ANSWER: Sherwood **Anderson** <BS> Ed. JK

11. According to Chinese legend, there were once ten of these objects in the sky. For 10 points each:

[10] Name these objects, nine of which were shot down by the archer Houyi. Houyi was rewarded with an elixir of immortality for saving humanity from the scorching heat of these things.

ANSWER: **suns**

[10] This Chinese and Vietnamese festival honors Houyi’s wife, Chang’e, who drank the elixir of immortality and floated to the moon. Appropriately, mooncakes are eaten during this festival.

ANSWER: **Mid-Autumn** Festival [accept **zhōng qiū** jié; accept Tết **Trung Thu**]

[10] Chang’e brought a rabbit named for this precious stone or for gold with her to the moon, where that rabbit grinds the elixir of immortality for her. An emperor named for this precious stone is the chief god in Daoism.

ANSWER: **jade** [or **yù**; accept **jade** rabbit; accept **Jade** Emperor] <CS> Ed. TH

12. This man wrote the semi-autobiographical *Do You Care What Other People Think?* For 10 points each:

[10] Name this theoretical physicist who shared the 1965 Nobel Prize in Physics with Tomonaga and Schwinger for his work on quantum electrodynamics. Electrons are represented by straight lines in his namesake diagrams.

ANSWER: Richard Phillips **Feynman** [or **Feynman** diagrams]

[10] On a Feynman diagram, these particles are represented by wavy lines. They are the quanta of light.

ANSWER: **photons**

[10] A helix on a Feynman diagram represents one of these massless gauge bosons.

ANSWER: **gluons** <BW> Ed. GC

13. A member of this family is put on trial for the death of his father, Fyodor. For 10 points each:

[10] Name this family whose member Dmitri is engaged to Katerina Ivanovna. Another member of this family is an atheist, while his brother is a novice at a Russian Orthodox monastery.

ANSWER: **Karamazov** family

[10] The story of the Grand Inquisitor, in which Christ is arrested upon returning to Earth, is told to Alyosha by Ivan in book five of *The Brothers Karamazov*, which was written by this Russian author.

ANSWER: Fyodor Mikhailovich **Dostoyevsky**

[10] Alyosha performs this action on Ivan after being told the "Legend of the Grand Inquisitor." In a different novel, Charles Swann remembers being unable to sleep as a child if his mother did not do this.

ANSWER: **kissing** on the lips [accept **kiss** from mother] <CS> Ed. JK

14. The city of Kos supposedly rejected this sculpture and demanded a clothed version. For 10 points each:

[10] Name this ancient Greek sculpture which depicts a goddess as she prepares to bathe. This sculpture was likely the first life-size female nude and, according to Pliny the Elder, was unsurpassed in beauty by any other sculpture.

ANSWER: **Aphrodite of Knidos** [accept **Aphrodite of Cnidus**]

[10] This ancient Greek sculptor created the *Aphrodite of Knidos* as well as *Hermes Bearing the Infant Dionysus*.

ANSWER: **Praxiteles**

[10] This other sculpture of the goddess of love was discovered by a Greek farmer in 1820. This notably armless sculpture likely created by Alexandros of Antioch is now housed at the Louvre.

ANSWER: **Venus de Milo** [or **Aphrodite of Milos**] <CS> Ed. TH

15. The title woman in this poem is described as having "a mind at peace with all below, a heart whose love is innocent!" For 10 points each:

[10] Name this poem, in which "smiles that win" "tell of days in goodness spent." The title action of this poem is likened to "the night of cloudless climes and starry skies."

ANSWER: "**She Walks in Beauty**"

[10] This Romantic poet of "She Walks in Beauty" died in the war for Greek independence. In *Childe Harold's Pilgrimage*, the title character is an example of this poet's namesake type of hero, who are often arrogant and manipulative.

ANSWER: Lord **Byron** [accept George **Gordon**; accept **Byronic hero**]

[10] *Childe Harold's Pilgrimage* uses a verse form named for this author, which contains eight lines of iambic pentameter and an alexandrine line in iambic hexameter. This author first used that verse form in an epic poem that includes the Redcrosse Knight.

ANSWER: Edmund **Spenser** <CS> Ed. JK

16. In this opera, Ko-Ko convinces an emperor to commute an execution by arguing that saying an execution has been completed is equivalent to carrying out that execution. For 10 points each:

[10] Name this satirical Gilbert and Sullivan opera. The title emperor of this opera is tricked into thinking that his son, Nanki-Poo, has been executed by Ko-Ko.

ANSWER: *The **Mikado**; or, The Town of Titipu* [prompt on "*The Town of Titipu*"]

[10] The Mikado declares this action to be a capital crime. Ko-Ko is sentenced to death for performing this action, but this doesn't prevent him from doing this action to Katisha by telling her about the unrequited love of the tit-willow.

ANSWER: **flirting** [accept equivalents like **wooing** or **courting**]

[10] *The Mikado* is set in this Asian island country, which is also the setting of Puccini's *Madame Butterfly*.

ANSWER: **Japan** [accept **Nippon** or **Nihon**] <CS> Ed. TH

17. These objects are classified by the Bergeron classification. For 10 points each:

[10] Identify these large bodies of atmospheric gas that have a roughly uniform temperature and humidity. They can be classified as arctic, tropical, or polar.

ANSWER: **air masses**

[10] These regions form at boundaries between air masses. An “occluded” one of these regions forms when a cold one overtakes a warm one.

ANSWER: weather **fronts** [accept occluded **front**; accept cold **front**; accept warm **front**]

[10] The formation of multiple thunderstorms along a cold front creates one of these systems. These systems produce a characteristic “bow echo” on Doppler radar.

ANSWER: **squall lines** [or **quasi-linear convective** systems; or **QLCS**] <AH> Ed. GC

18. This war was sparked by the rebellion of Corcyra [cor-sye-ruh] and a set of trade embargoes called the Megarian decrees. For 10 points each:

[10] Name this war in which Sparta defeated Athens and its Delian League allies.

ANSWER: **Peloponnesian War**

[10] In his *History of the Peloponnesian War*, Thucydides describes this speech that the Athenian statesman Pericles delivered after the first year of the war. In this speech, Pericles declared that “heroes have the whole earth for their tomb.”

ANSWER: **Funeral Oration**

[10] Xenophon’s *Hellenica* continues Thucydides’s *History* by discussing such later battles as Notium and Aegospotami [ee-gus-pot-uh-my], which were both victories for this Spartan general. Upon the war’s conclusion, this man ordered the walls of Athens to be demolished.

ANSWER: **Lysander** <BL> Ed. TH

19. This woman’s nickname was coined by Henry Wadsworth Longfellow in his poem “Santa Filomena.” For 10 points each:

[10] Name this British “lady with the lamp” who revolutionized the field of nursing by publishing *Notes on Nursing*.

ANSWER: Florence **Nightingale**

[10] Florence Nightingale trained nurses during this 19th-century conflict. Sidney Herbert helped facilitate Nightingale’s work during this conflict.

ANSWER: **Crimean War** [or **Krymskaya voyna**]

[10] Nightingale wasn’t the only famous nurse during the Crimean War; this Jamaican-born nurse created the “British Hotel” to treat soldiers during the Crimean War.

ANSWER: Mary Jane **Seacole** [accept Mary Jane **Grant**] <AK> Ed. TH

20. This group of diseases is caused by uncontrolled cell growth and can be treated with chemotherapy. For 10 points each:

[10] Name this group of diseases that includes carcinomas and sarcomas and is characterized by the growth of tumors.

ANSWER: **cancers**

[10] Cancerous cells are typically insensitive to signals that induce this process. A form of this pathway is characterized by a “caspase cascade” and the release of cytochrome c from the mitochondrion.

ANSWER: **apoptosis**

[10] A type of immunotherapy to help treat cancer uses a form of these cells that have been modified to present chimeric antigen receptors. These cells contain a namesake receptor typically composed of an alpha chain and a beta chain.

ANSWER: chimeric antigen receptor **T**-cells <AH> Ed. GC