

2019 Wayzata Academic Invitational Tournament

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Packet 13

Tossups

1. In this novel, the patriot John Barsad testifies before a court but is later revealed to be traitorous. In this novel, a red-haired servant goes deaf after a struggle to defend her Ladybird. The second section of this novel, "The Golden Thread," refers to (*) Lucie's hair, which causes her father, Dr. Manette, to remember life before his imprisonment. In this novel, Sydney Carton offers to take Charles Darnay's place at the guillotine. This novel begins, "It was the best of times, it was the worst of times." For 10 points, name this Charles Dickens novel set in Paris and London.

ANSWER: A *Tale of Two Cities* <CS> Ed. JK

2. People who have a mutation that deletes the gene encoding for CCR5 have a natural resistance to this pathogen. People infected with this virus are often affected by an opportunistic infection by human herpesvirus 8, which can cause large brown lesions on the skin in a disease called (*) Kaposi's sarcoma. The reverse transcriptase inhibitor drug AZT is often used to treat infection by this retrovirus. This virus binds to CD4 on the surface of helper T cells, destroying them. For 10 points, name this virus that can cause AIDS.

ANSWER: HIV [or human immunodeficiency virus; prompt on "AIDS" or "acquired immune deficiency syndrome" until read] <AH> Ed. GC

3. This man showed an old man in blue sobbing with both hands on his knees in *At Eternity's Gate*, and a woman holds a cup toward a bonneted woman who pours tea into four cups in another of this man's works. This artist painted a man who cared for him before his death named Doctor Gachet. In another painting, he depicted his bedroom inside the Yellow House at (*) Arles. This man's most famous work shows a cypress tree in the foreground of his view from an insane asylum, which features whirling shapes in the sky and disc-shaped stars. For 10 points, name this Dutchman who cut off his own ear and painted *The Starry Night*.

ANSWER: Vincent Willem van Gogh <BL> Ed. TH

4. An artifact from this culture portrays a married couple reclining at a banquet; that artifact is the *Sarcophagus of the Spouses*. Emperor Claudius wrote a 20-volume history of these people and may have been the last person to be fluent in these people's language. According to Livy, these people created a group whose leaders were chosen at the (*) Fanum Voltumnae in Volsinii every year. These people created a namesake 12-city league centered at Veii, and the last Roman king, Tarquin the Proud, was descended from these people. For 10 points, name this ancient Italian civilization that predated Rome.

ANSWER: Etruscans [or Rasenna; or Rasna; or Tusci; or Etrusci; or Turrhenoi; or Tursenoi; prompt on "Tyrrheni" or "Tyrrhenians"] <AK> Ed. TH

5. This man and Josef Breuer studied a woman whose past experience with a dog left her with an aversion to drinking water; that woman, Bertha Pappenheim, was given the pseudonym Anna O by this man. This man wrote of an experience in which guilt caused by his mistakes caused him to imagine an infection in (*) Irma's mouth. This man wrote about the struggle between Eros and Thanatos, or the death drive, in his *Beyond the Pleasure Principle*. He argued that dreams are wish fulfillments in *The Interpretation of Dreams* and divided the psyche into the id, ego, and superego. For 10 points, name this Austrian father of psychoanalysis.

ANSWER: Sigmund Freud <BS> Ed. GC

6. In this film, Fred Willard plays Shelby Forthright, who initially ordered Operation Recolonize. Directive A113 is called for in this film, which contains sequences of the 1964 film *Hello, Dolly!* A character in this film uses a fire extinguisher to fly with his love interest while a definition of (*) dancing is read aloud. The main character of this film places a plant in a boot and is revived by a kiss from EVE. The CEO of Buy n Large instructs AUTOs to prevent the return of the *Axiom* to Earth in, for 10 points, what 2008 Pixar animated film about a trash compacting robot?
ANSWER: Wall-E <BW> Ed. JK

7. In a play set in this city, a trumpet is blown by the war veteran Gabriel at the funeral of his brother; in that play set in this city, Rose rejects her husband, who fathers Raynell after having an affair with Alberta. A painting by Romare Bearden inspired a play set in this city, where (*) Boy Willie wants to sell an instrument haunted by Sutter's ghost. In this city, Cory is told not to play football by the garbageman Troy Maxson. For 10 points, name this Pennsylvania city, the setting of a namesake cycle that includes *The Piano Lesson* and *Fences*, written by August Wilson.
ANSWER: Pittsburgh [accept *The Pittsburgh Cycle*] <BS> Ed. JK

8. The eutectic point can be found on some of these diagrams. For ice, these diagrams are divided into regions labeled with roman numerals, including one sub h and 9. An "iron-carbon equilibrium" one of these diagrams shows sections with different types of steel. The (*) Clausius-Clapeyron equation describes coexistence curves on these diagrams. Many of these diagrams contain a triple point and end at the critical point. For 10 points, name these diagrams that plot the temperatures and pressures at which a substance will be a solid, liquid, or gas.
ANSWER: phase diagrams <AH> Ed. GC

9. This monarch authorized the use of chemical weapons during the capture of Wuhan, and he earlier ordered the destruction of a railroad in the Mukden Incident. This man was the first monarch of his country to visit Europe, and he later visited the US during the Ford presidency. A group of officers revolted in the (*) Kyujo incident after this ruler disclaimed his divinity and announced his country's surrender in the Jewel Voice Broadcast. For 10 points, name this Japanese emperor who urged his prime minister Tojo Hideki to negotiate for peace during World War II.
ANSWER: Emperor Hirohito [accept Showa Emperor] <BL> Ed. TH

10. A man who was killed after setting aside a weapon of this type and trying to fix his chariot wheel was named Karna, who used a weapon of this type called Vijaya. Heracles granted his weapon of this type to the only man unafraid to light his funeral pyre. When a god struck Daphne with a weapon of this type, she fled from Apollo. Niobe's [nye-OH-bee] twelve children were (*) killed with one of these weapons after she insulted a goddess, and Paris was killed with one of these weapons by Philoctetes [fye-lock-teh-tees]. Two godly twins wielding these weapons were born on Delos. For 10 points, name this primary type of weapon of Apollo and Artemis.
ANSWER: bows and arrows [prompt on "arrows"] <AK> Ed. TH

11. A piano concerto of this number that features music based on a Nubian love song was composed in Luxor by Camille Saint-Saëns [kah-mee san-sahns]. A trumpet solo followed by a funeral march theme opens Mahler's symphony of this number, the fourth movement of which is a famous adagietto. Johann Baptist Cramer gave the nickname (*) "Emperor" to a piano concerto of this number by a composer whose symphony of this number ends with 29 consecutive bars of C major chords. Beethoven's symphony of this number depicts "fate knocking at the door" with its opening "short-short-short-long" motif. For 10 points, name this number of notes per octave in a pentatonic scale.
ANSWER: five [accept fifth or Piano Concerto no. 5 or Symphony no. 5] <CS> Ed. RC

12. This man led a failed expedition with John Norris to put Dom Antonio on the throne of Portugal. This explorer claimed part of California as New Albion after struggling through a storm in the Strait of Magellan. This “sea dog” explorer raided Lima and passed through Indonesia before returning to England on a voyage on his ship *The Golden Hind*. This man “singed (*) the king of Spain’s beard” during an attack he led against the Spanish Armada at Cádiz. For 10 points, name this English explorer and pirate who completed the second circumnavigation of the globe during the reign of Queen Elizabeth.

ANSWER: Sir Francis Drake <BL> Ed. TH

13. In this book, the minor characters Bigthan and Teresh plan to kill a king. The antagonist of this book is hanged on a gallows he constructed. Along with the Song of Songs, this is the only book in the Hebrew Bible that doesn’t explicitly mention God. In this book, (*) Ahasuerus gives permission to let the antagonist’s plan be carried out by drawing lots for the date on which it is to go into effect. The namesake woman of this book helps save her people from being executed by Haman. For 10 points, name this book, also called the Megillah, which contains the basis for Purim.

ANSWER: Book of Esther [accept Megillah before mention] <AH> Ed. JK

14. Algorithms of this type are called “stable” if they preserve the original order of the input set. Big O of $n \log n$ is the lower bound of runtime for any of these algorithms that rely on comparisons. An algorithm for this task developed by John von Neumann recursively divides a list into (*) halves and then merges the lists together. Tony Hoare invented an algorithm for this task that randomly selects a pivot point and then moves all elements smaller than the pivot to one side, which is called the “quick” version of this task. For 10 points, name this type of algorithm that arranges elements in order.

ANSWER: sorting algorithms [or stable sorting algorithms; or comparison-based sorting algorithms; or mergesort; or quicksort] <AH> Ed. GC

15. In a novel by this author, a woman is saved from undergoing sati and a valet is drugged by Detective Fix, who is believed to be a spy from the Reform Club. This author’s character Hans is a guide who observes mastodons and an ichthyosaurus [ick-thee-osaurus] after entering an Icelandic volcano with Axel and Axel’s uncle, (*) Professor Lidenbrock. In a novel by this author, time zones help Passepartout and Phileas Fogg win a bet. For 10 points, name this author of *Around the World in Eighty Days* and *Journey to the Center of the Earth*.

ANSWER: Jules Verne <BS> Ed. JK

16. The overture to this opera opens with a sinister D minor chord and was supposedly written the night before the premiere. During a dinner in this opera, an aria from another opera by the same composer, “Non più andrai,” [no-n pee an-dry] is played. A man in this opera shoos Masetto away so he can woo Zerlina with the duet “Là ci darem la mano.” [LAH chee dah-REM lah MAH-noh] (*) Leporello relates his master’s conquests in the “Catalogue Aria” in this opera, in which Donna Anna vows revenge for her father’s death. A statue of the Commendatore drags the title character to hell in, for 10 points, what Wolfgang Amadeus Mozart opera about a seducer?

ANSWER: *Il dissoluto punito; ossia, il Don Giovanni* [or *The Libertine Punished*; or, Don Giovanni; do not accept or prompt on “Don Juan”] <CS> Ed. TH

17. The protagonist of this novel defeats the White Bone Spirit, who disguises herself as young girls and the elderly; that character in this novel is enraged after being given the position “Protector of the Horses” and gains his “fiery eyes” after being cooked in a magical crucible for 49 days. A monk in this novel rides a sea dragon that has been transformed into a horse, and he is protected by a (*) character who carries the Ruyi Jingu Bang [roo-yee jin-goo bung], a size-changing metal staff. For 10 points, name this book that describes the travels to India of Xuanzang [shoo-an zung] and the monkey king, Sun Wukong, one of the Four Classic Novels of China.

ANSWER: Journey to the West [or Xiyou Ji] <BL> Ed. JK

18. During the Revolutionary War, John Baker lost to British forces at the Battle of Thomas Creek in this modern state. The destruction of the “Negro Fort” settlement of former slaves in this state was ordered by Andrew Jackson, who later invaded this state. The Treaty of (*) Payne’s Landing forced Native Americans to leave this state’s land, which was ceded to the US through the Adams-Onís Treaty with Spain. Osceola led a tribe of Native Americans in this state. For 10 points, name this state home to the Seminoles and the oldest continuously inhabited European settlement in the US, St. Augustine.

ANSWER: Florida <AK> Ed. TH

19. Rotuma is a dependency of this nation, and its most populous province of Ba lies on the island of Lautoka. This country’s Naitasiri Province contains its capital as well as ANZ stadium, the home of this nation’s national rugby team. In 2014, Kiribati [KEER-a-bas] bought the Natoavatu Estate in this country to prepare for if Kiribati becomes uninhabitable due to climate change. Like Tuvalu, this nation uses a baby-blue ensign with a Union Jack as its flag. The Koro Sea borders (*) Vanua Levu and Viti Levu, the largest islands of, for 10 points, what Pacific island country that is a popular tourist location governed from Suva?

ANSWER: Republic of Fiji [or Matanitu Tugalala o Viti] <BW> Ed. BS

20. This quantity is equal to the inverse of the coefficient of performance. The maximum value for this quantity can be found by taking one minus the difference in temperature of the hot reservoir and the cold reservoir all over the temperature of the cold reservoir in the (*) Carnot cycle. The maximum theoretical value of this quantity is one, although in reality, it is always less because of dissipative processes such as friction. For 10 points, name this dimensionless quantity equal to work over input heat for a thermodynamic process.

ANSWER: thermal efficiency [or thermodynamic efficiency; accept Otto efficiency or Carnot efficiency] <BW> Ed. GC

Tiebreaker: This king founded the Emden Company to facilitate trade with China. As a youth, this man accompanied Eugene of Savoy during the War of Polish Succession. This man’s father forced him to see his friend get beheaded after a foiled attempt by this man to run away in the Katte Affair. This man commissioned the rococo Sanssouci Palace. With (*) Catherine the Great, this king administered the first partition of Poland, and this “first servant of the state” reopened his country’s Royal Academy of Sciences, known as the Berlin Academy. For 10 points, name this “great” Prussian king who fought the Seven Years’ War.

ANSWER: Frederick II of Prussia [or Frederick the Great; or Friedrich II; or Friedrich der Grosse; accept “Old Fritz”; prompt on “Frederick” alone] <AK> Ed. TH

Bonuses

1. This city was captured by the Roman general Marcellus after the pro-Carthaginian tyrant Hieronymus was deposed. For 10 points each:

[10] Name this city that was supposedly defended by Archimedes's inventions, including a giant ship-grabbing claw and a now-disproven heat ray.

ANSWER: **Syracuse** [or **Sarautsa**]

[10] Syracuse later became part of this Roman province, which also included the cities Messina and Catania. This province was the first province captured by Rome, likely due to its proximity to Italy.

ANSWER: **Sicilia** [or **Sicily**]

[10] The First and Second Servile Wars were fought in Sicily, but the Third Servile War ended when this Thracian man was killed in battle and six thousand former slaves were crucified along the Appian Way.

ANSWER: **Spartacus** [or **Spartakos**] <BL> Ed. TH

2. This quantity is often symbolized "phi sub B." For 10 points each:

[10] Name this quantity that can be calculated by multiplying the magnetic field through an area and the area. It is measured in webers.

ANSWER: **magnetic flux**

[10] The negative of the change in magnetic flux divided by change in time is equal to the electromotive force according to the law of induction named for this English scientist.

ANSWER: Michael **Faraday** [or **Faraday's** law of induction]

[10] The negative sign in Faraday's law of induction is a consequence of this law.

ANSWER: **Lenz's** law <BW> Ed. GC

3. Members of this ethnoreligious group were targeted during the invasion of Iraq by ISIS for worshipping the angel Melek Taus. For 10 points each:

[10] Name this religious minority that venerates the saintly Sheikh Adi ibn Musafir, whose tomb is a pilgrimage site. This religion blends Islam with indigenous religions as well as other Abrahamic religions.

ANSWER: **Yazidis** [or **Yazdanis**]

[10] Yazidis believe that they are descended from this man, who was created as the male counterpart to Eve.

ANSWER: **Adam**

[10] The Yazidi deity Melek Taus is worshipped in the form of this bird. Ancient Greeks believed that this bird pulled Hera's chariot.

ANSWER: **peacocks** [accept **peafowl** or **peahens**] <BL> Ed. JK

4. This author's collection *Poet in New York* was translated into English by Langston Hughes. For 10 points each:

[10] Name this playwright of the "rural trilogy," which includes a play about a matriarch and her five daughters titled *The House of Bernarda Alba*.

ANSWER: Federico del Sagrado Corazón de Jesús García **Lorca**

[10] The first play in the "rural trilogy" is named for one of these events. At the beginning of Act Three, a woodcutter with a white face represents the moon, and Leonardo and the Groom kill each other after one of these events.

ANSWER: **wedding** [accept **Blood Wedding**]

[10] García Lorca also wrote a "Lament for the Death of" this kind of person, an elegy for Ignacio Sánchez Mejías [may-HE-ahs]. In Ernest Hemingway's *The Sun Also Rises*, Pedro Romero has this profession.

ANSWER: **bullfighter** [accept **toreador** or **matador**] <CS> Ed. JK

5. Despite hating the term “atonal,” this composer wrote many atonal pieces, including a setting of Albert Giraud poems called *Pierrot Lunaire* [pee-roh loon-air] in which the reciter uses a vocal style called *Sprechstimme* [SHPREK-shtim-muh]. For 10 points each:

[10] Name this leader of the Second Viennese School, who also composed the string sextet *Transfigured Night*.

ANSWER: Arnold **Schoenberg** [SHURN-bairg]

[10] Schoenberg developed a serialist technique named for this many tones, which gives roughly equal importance to each note of the chromatic scale, and used it in such works as *A Survivor from Warsaw*.

ANSWER: **twelve** [accept **twelve**-tone technique, **dodecaphony**, **twelve**-tone serialism, or **twelve**-note composition]

[10] *A Survivor from Warsaw* was inspired by this conflict. Events in a different theater of this war inspired Krzysztof Penderecki’s [CHISH-toff pen-der-ET-skee’s] *Threnody to the Victims of Hiroshima*.

ANSWER: **World War II** [or **Second World War** or **WWII**; prompt on “the Holocaust” by asking, “Can you be less specific?”] <BS> Ed. RC

6. This region was covered with wooden poles termed “Rommel’s asparagus” to protect against military gliders. For 10 points each:

[10] Name this region of northern France that faced an Allied invasion on June 6, 1944. Allied forces landed at beaches codenamed Juno and Gold in this region.

ANSWER: **Normandy** [or **Normandie**]

[10] Prior to the Allied landings at Normandy, an operation of this name was undertaken to feed the Germans false information about a fictional planned attack at Pas de Calais by the nonexistent First US Army Group.

ANSWER: Operation **Fortitude** South [accept Operation **Quicksilver**; prompt on “Operation **Bodyguard**”]

[10] This American general nicknamed “Old Blood and Guts” was the commander of the fake armies created under Operation Fortitude. Serving under Dwight D. Eisenhower during Operation Torch, he earlier captured Casablanca.

ANSWER: George Smith **Patton** Jr. <BL> Ed. TH

7. This author proposed her namesake method of organizing in *The Life-Changing Magic of Tidying Up*. For ten points each:

[10] Name this Japanese author and TV star. According to this person’s method, items should be organized by category, including clothing and komono, the miscellaneous.

ANSWER: Marie **Kondo**

[10] According to the KonMari method, items should be kept only if they do this specific two-word action. If the item does not do this, it should be thanked and put aside.

ANSWER: “**spark joy**”

[10] Kondo’s show, *Tidying Up with Marie Kondo*, is distributed by this video-streaming platform. Other shows on this platform include *Queer Eye* and *Stranger Things*.

ANSWER: **Netflix** <CS> Ed. JK

8. One author quipped that, “while some may have drunk more wine than [this poet], no one has written more poems about wine.” For 10 points each:

[10] Name this poet, who invoked imagery of the moon in his poems “Drinking Alone by Moonlight” and “Quiet Night Thought.” This poet allegedly drowned while drunkenly attempting to embrace a reflection of the moon.

ANSWER: Li Bai [accept Li Bo; accept Li Po]

[10] Li Bai lived during the Tang dynasty in this modern-day country, the same as his friend and fellow poet Du Fu.

ANSWER: China [accept Zhongguo]

[10] In Li Bai’s poem “Viewing the Waterfall at Mount Lu,” the waterfall is compared to this entity “tumbled from the ninth height of Heaven,” In Chinese myth, magpies form a bridge over this entity so two lovers can meet each other once every year.

ANSWER: Milky Way [accept yin he] <CS> Ed. JK

9. A popular myth suggests that this man set the 40% alcohol percentage for Russian standard vodka, although that myth has since been disproven. For 10 points each:

[10] Name this Russian chemist who is credited with developing the first periodic table.

ANSWER: Dmitry Mendeleev

[10] Mendeleev’s original periodic table incorrectly ordered elements by this property, which led him to make the error of placing cobalt before nickel.

ANSWER: atomic weight

[10] Mendeleev did, however, correctly place this element after tellurium even though it has a lower atomic weight. This element is found below bromine on the periodic table.

ANSWER: iodine [or I] <BW> Ed. GC

10. This philosopher excluded Catholics and atheists from equality under the law in *A Letter concerning Toleration*. For 10 points each:

[10] Name this philosopher who made a distinction between complex and simple ideas in *An Essay concerning Human Understanding*. This man’s insistence on life, liberty, and property inspired Thomas Jefferson when writing the Declaration of Independence.

ANSWER: John Locke

[10] In *An Essay concerning Human Understanding*, Locke argued that humans are born with no mental content, which helped popularize this two-word Latin term meaning “blank slate.”

ANSWER: tabula rasa

[10] Locke was a proponent of this belief that knowledge is derived from experience, which is often contrasted with rationalism. W. V. O. Quine wrote a work titled for “two dogmas” of this theory.

ANSWER: empiricism [accept word forms] <BS> Ed. GC

11. The formation of this country resulted in a civil war in Lebanon under President Camille Chamoun. For 10 points each:

[10] Name this short-lived state that was dissolved in 1971 after the resignation of Abdel Hamid al-Sarraj. Iraq failed to join this state, which united Syria with another country.

ANSWER: United Arab Republic [or al-Jumhuriyah al-Arabiyyah al-Muttahidah]

[10] This man led the United Arab Republic for most of its existence. This member of the Free Officers Movement succeeded Mohamed Naguib.

ANSWER: Gamal Abdel Nasser Hussein [or Jamal Abdu n-Nasir Husayn]

[10] The United Arab Republic was a union between this country and Syria. Gamal Abdel Nasser led this country during the 1956 Suez Crisis.

ANSWER: Arab Republic of Egypt [or Misr; or Masr] <AK> Ed. TH

12. This character claims that “nothing can or shall content my soul till I am even’d with him,” referring to the protagonist of the work in which this character appears. For 10 points each:

[10] Name this character who declares, “I will wear my heart upon my sleeve for daws to peck at” to describe his deceptive nature to Roderigo.

ANSWER: **Iago**

[10] Iago is the primary antagonist of this Shakespearean tragedy about the titular Moor of Venice who marries Desdemona.

ANSWER: **Othello**

[10] Iago refers to jealousy as a monster with this physical trait. In *The Merchant of Venice*, Portia also describes jealousy as having this trait.

ANSWER: **green-eyed** [accept clear equivalents] <AK> Ed. JK

13. The angular form of these features occurs when entire rock layers are tilted at an angle. For 10 points each:

[10] Name these features of strata that represent a break between different layers. They occur when sediment deposition isn’t continuous.

ANSWER: **unconformity** [or **unconformities**; prompt on “**disconformity**,” “**disconformities**,” “**nonconformity**,” or “**nonconformities**”]

[10] Unconformities are often caused by this process of sediment being removed from one location and transported to another. Unlike weathering, it involves movement of sediment.

ANSWER: **erosion**

[10] Unconformities by definition separate strata with different values of this quantity. In geology, this quantity is often measured in m.y.a. [M-Y-A].

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

14. This man ended the fairy Aillen’s yearly destruction of Tara by keeping himself awake by piercing himself with his spear all night. For 10 points each:

[10] Name this hero who burned his thumb on the Salmon of Knowledge.

ANSWER: **Fionn MacCumhaill** (pronounced **Finn McCool**)

[10] The adventures of Fionn MacCumhaill are part of the Fenian Cycle of this island’s mythology. Other mythical characters from this island include pookas and leprechauns.

ANSWER: **Ireland** [or **Éire**]

[10] Fionn met his wife Sadb [sahv] while she was in the form of this woodland animal. Heracles caught a Ceryneian animal of this type that was sacred to Artemis as his third labor.

ANSWER: **deer** [accept **doe**; or Ceryneian **hind** or **Hind** of Ceryneia] <AH> Ed. TH

15. During this film, Major “King” Kong rides a nuclear bomb as it falls to the ground. For 10 points each:

[10] Name this film, in which one character scolds “Gentlemen, you can’t fight in here! This is the War Room!” It ends with the start of a nuclear holocaust after the title scientist shouts, “Mein Führer! I can walk!”

ANSWER: **Dr. Strangelove** or: *How I Learned to Stop Worrying and Love the Bomb*

[10] *Dr. Strangelove* is a film by this director, whose other films include the 1962 cinematic adaptation of *Lolita* and *2001: A Space Odyssey*.

ANSWER: Stanley **Kubrick**

[10] This actor starred in *Dr. Strangelove* as President Muffley, Captain Mandrake, and the title role. His other roles include Clare Quilty in the aforementioned *Lolita*.

ANSWER: Peter **Sellers** [or Henry Richard **Sellers**] <BW> Ed. JK

16. John Ruskin's autobiography claims that reading a scathing criticism of this man's works in *Blackwood's Magazine* prompted Ruskin to champion this man in Ruskin's compendium *Modern Painters*. For 10 points each:

[10] Name this British artist of many landscapes and seascapes who emphasized the power of nature in works like *Fishermen at Sea*.

ANSWER: John Mallord William **Turner**

[10] Turner contrasted the countryside with mechanical power in this painting of a train crossing Maidenhead Railway Bridge through the title stormy condition.

ANSWER: ***Rain, Steam, and Speed – The Great Western Railway***

[10] Turner belonged to this nineteenth-century art movement, which included such other landscape artists as John Martin and John Constable. This movement celebrated nature, individuality, and passion.

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

17. Multnomah Falls is a popular day-trip destination for residents of this city. For 10 points each:

[10] Name this city, the largest in Oregon.

ANSWER: **Portland**, Oregon

[10] Portland lies on the confluence of the Columbia River and this river. The Detroit Dam is on this river.

ANSWER: **Willamette** River

[10] Another popular tourist destination near Portland is this stratovolcano in the Cascade Range. Its peak is the highest point in Oregon.

ANSWER: Mount **Hood** <BL> Ed. BS

18. In a work by this poet, Priscilla asks, "Why don't you speak for yourself, John?" For 10 points each:

[10] Name this American poet of "The Courtship of Miles Standish." In another poem by this poet, Gabriel dies in Evangeline's arms after the expulsion of the Acadians.

ANSWER: Henry Wadsworth **Longfellow**

[10] This poem by Longfellow takes place "by the shores of Gitche Gumee." The title character of this poem provides corn as a "gift to the nations" on his seventh day of fasting and defeats Pau-Puk-Keewis.

ANSWER: "The **Song of Hiawatha**"

[10] This daughter of an arrow-maker is Hiawatha's love interest. This Dakota woman's name means "Laughing Water," and she later dies in a "cold and cruel Winter."

ANSWER: **Minnehaha** <CS> Ed. JK

19. This process is typically mediated by the II [two] isoform of RNA polymerase. For 10 points each:

[10] Name this process in which mRNA is synthesized from a DNA template.

ANSWER: **transcription**

[10] In eukaryotes, formation of the transcription pre-initiation complex typically involves the binding of transcription factor II [two] D to this four-nucleotide sequence in a promoter.

ANSWER: **TATA** box [or Goldberg-**Hogness box**; accept answers that spell out the nucleotide sequence as **thymine adenine thymine adenine**]

[10] In prokaryotes, the transcription of these clusters of genes is controlled by a single promoter. A well-studied one of these structures is responsible for lactose metabolism in *E. coli*.

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

20. This man called Jacques-René Hébert an “imbécile” after Hébert accused Marie Antoinette of incest.
For 10 points each:

[10] Name this former lawyer who headed the infamous Committee of Public Safety before being overthrown in the Thermidorian Reaction.

ANSWER: Maximilien de **Robespierre**

[10] Robespierre led the Committee of Public Safety during this period of the French Revolution, known for its widespread use of the guillotine and suppression of dissidents.

ANSWER: Reign of **Terror** [or the **Terror**; or la **Terreur**]

[10] During the Reign of Terror, Robespierre created this deist religion meant to combat the Cult of Reason.

ANSWER: Cult of the **Supreme Being** [or Culte de **l'Être suprême**] <AK> Ed. TH