

Brookwood Invitational Scholars' Bowl

Round 7

Written and edited by Zach Billett, Mostafa Bhuiyan, Joseph Reifenberger, Adam Silverman, Brady Weiler, and Jacky Zhu

Tossups

1. **The mechanical balance equation over this quantity is actually an inequality. A Carnot cycle is a rectangle on a plot of it against temperature. Processes where this quantity changes don't obey time reversal symmetry. The change in this quantity for a reservoir equals the heat over the (*) temperature of the reservoir. Separating a tepid stream into a hot and a cold stream decreases this quantity without added work. Irreversible processes cause it to increase due to inefficiencies, as shown by the Second Law of Thermodynamics. For 10 points, name this quantity measured in Joules per Kelvin, which is symbolized S and represents disorder.**

ANSWER: entropy [or S until it is read]

2. **A story by this author begins when a real-life friend of this author remembers the phrase "mirrors and copulation are abominable." This author imagined a novel in which each possible decision occurs, creating different paths that branch and re-converge. This author described an object in a mediocre poet's basement which allows observers to see every point in the (*) universe. He wrote about books containing every possible permutation of 25 characters, arranged on shelves in hexagonal rooms, in another story. This author of the *Ficciones* wrote "The Aleph" and "The Library of Babel." For 10 points, name this blind Argentinian short story writer.**

ANSWER: Jorge Luis Borges

3. **A navy from this historical state sank 31 ships, without losing a single vessel, after recognizing that a current was alternating every three hours. This kingdom invented a cart which fired 200 fire-arrows simultaneously at the enemy, as well as a double-decked ship called the pan-okseon. Boats used by this historical state were armored with iron spikes and released smoke from the bow. Admiral (*) Yi popularized its turtle ships. This nation's Joseon dynasty defeated Hideyoshi Toyotomi, but Japan occupied it from 1910 till 1945. For 10 points, name this kingdom which was separated during a 50s war on an Asian peninsula.**

ANSWER: Kingdom of Korea [or Choseon or Joseon Dynasties until it is read]

4. **These creatures kill a woman who is turned into an invulnerable man by burying him under a fir tree. They are descendants of the first-ever murderer and a cloud goddess. One of these creatures dies after he opens a store of magical wine, then accidentally pricks himself with an arrow. After nearly raping a woman, one of these creatures gives her his blood, promising that it'll be a love potion. Peleus wooed (*) Thetis with the help of one of these creatures. Their blood poisoned Heracles to death. Achilles, Ajax, and virtually every other Greek hero were tutored by a wise one named Chiron. For 10 points, name these half-human, half-horse creatures.**

ANSWER: centaurs

5. **A version of this sculpture depicting Nicodemus was destroyed by the artist, then given to Francesco Bandini. Jean de Bilheres [BEEL-airs] commissioned this sculpture for his funeral monument. The rocks of Golgotha form its base. Caravaggio imitated the sagging right arm in this sculpture in his *Entombment*. An unnaturally tall and young (*) woman in this sculpture wears an incredibly billowing dress. For fear of having this work stolen, its sculptor signed his name across a sash. This marble sculpture, which sits in St. Peter's Basilica, shows a woman cradling her dead son. For 10 points, name this sculpture by Michelangelo of Christ and Mary.**

ANSWER: Pietà

6. **This man's namesake identity is that the product of two sums of squares is itself a sum of squares. Dijkstra's [DIKE-straw's] algorithm is often implemented using a heap named for this man. He introduced Arabic numerals to the West. The matrix 1, 1, 1, 0, gives this man's numbers when exponentiated, and has the golden ratio as an eigenvalue. This man's (*) numbers are formed by the shallow diagonals on Pascal's triangle. A classic example of recursion is his relation that a-sub-n plus-one equals a-sub-n plus a-sub-n-minus-one. That pattern models the growth rate of rabbits and starts 1, 1, 2, 3, 5, 8. For 10 points, name this Italian namesake of a sequence.**

ANSWER: Fibonacci [or Leonardo da Pisa; prompt on Brahmagupta until "heap" is read]

7. This character complains that Europeans being fascists or anarchists “wouldn’t change the fact that I don’t own a car” in a scene where he forms his hair into a mohawk while showering. A secretary named Grace points out that all the “sportos, motorheads, geeks...” adore this character and think he is a “righteous dude.” He (*) lip-syncs to “Danke Schoen” [DONK-uh SHANE] and “Twist and Shout” after crashing a parade in Chicago. This character spends an afternoon hiding from Mr. Rooney with his girlfriend Sloane and friend Cameron. For 10 points, name this high schooler played by Matthew Broderick in a 1986 John Hughes film, who takes a “Day Off.”

ANSWER: Ferris Bueller [accept either independently; accept Ferris Bueller’s Day Off]

8. One of this author’s works begins by invoking “The Patron of True Holinesse” which “foule error doth defeate.” He dedicated a collection which includes the poem “One day I wrote her name upon the strand” to his future wife Elizabeth Boyle. Eight lines of pentameter followed by an alexandrine make up this poet’s namesake (*) stanza form. This author of *Amoretti* and *Epithalamion* created the villainous sorcerer Archimago and the heroic Redcrosse Knight. This namesake of a sonnet form is best-known for an allegorical epic poem about Gloriana, who represents Elizabeth I. For 10 points, name this 16th century author of *The Faerie Queene*.

ANSWER: Edmund Spenser

9. A senator from this state coined the term “mudsill of society” and first brought the gag rule to the floor of the House. The Grimke sisters were born in this state. James Henry Hammond and diarist Mary Chesnut hailed from this state. A man from this state won the lottery and planned a revolt for Bastille Day in 1822. A Congressman from this state (*) beat up a rival with a cane in 1856. The Denmark Vesey and Stono rebellions took place here. An essay titled for this state, “Exposition and Protest” protested the Tariff of Abominations and put forth the nullification doctrine. For 10 points, name this first state to secede, the home of Fort Sumter.

ANSWER: South Carolina

10. John Frederick Maurice wrote an 1883 text pointing out how infrequently this action actually occurs. The October Resolution controversially obviated the need for this action. The clause which grants this power permits the issuance of letters of marque and reprisal. If this action is *not* done, a report must be filed to Congress and a 60 or 90-day timetable begins, according to a 1973 law vetoed by (*) Nixon. The Gulf of Tonkin Resolution permitted conventional activity even when this enumerated power is not used. Congress has used this power 11 times, none since 1942. For 10 points, name this power which formally establishes a military action.

ANSWER: declaring war [or a formal declaration of war; prompt on war; do not accept or prompt on things like “sending in troops”]

11. Virchow’s triad must be satisfied for these objects to form. Mutations in factors V [five] through XI [eleven] lead to their overproduction. tPA [T-P-A] is administered to break down these structures, which require tissue factor to form. They are composed of fibrin. Heparin and (*) warfarin, which block the activity of Vitamin K, are administered to prevent formation of these objects. One of these structures forms in an ischemic stroke, blocking blood supply to the brain. These structures won’t form in hemophiliacs. For 10 points, name these objects that form in thromboembolisms, when platelets aggregate, to stop bleeding.

ANSWER: blood clots [or thromboembolisms until it is read; or thrombus; or thrombi; or embolisms]

12. The Trials of the 16 and 21 accused the members of this leader’s party of breaking Article 58. This man’s idiotic agricultural advisor ignored Mendelian genetics and claimed that vernalization was inheritable. An advisor to this leader coined the term “socialism in one country.” One of his advisors proposed a massacre in the (*) Katyn forest. A secret speech about this man’s personality cult drove his advisors toward rehabilitation. An old rival to this leader was murdered by Ramon Mercader in Mexico City. NKVD leader Nikolai Yezhov led the great purges of his cabinet. For 10 points, name this Soviet leader who exiled Leon Trotsky and succeeded Lenin.

ANSWER: Joseph Stalin

13. This artist painted a woman whose dress shrouds a globe, as she stares at a ball suspended from the ceiling. A painting by this artist depicts a model holding a trumpet and a book, with head topped by a vividly bright blue laurel, who probably symbolizes the muse Clio. He unusually used pointillism to show six tiny people in front of a harbor in a highly realistic cityscape. This artist created (*) allegories for faith and for painting. A woman wears an oriental, yellow-and-blue turban, in a painting by this artist. His landscape *View of Delft* is now kept in The Hague. For 10 points, name this Dutch artist of scenes like *Girl with a Pearl Earring*.

ANSWER: Johannes “Jan” Vermeer

14. This action is called *dana* in Hinduism. This action is mandatory for Muslims at the very end of Ramadan, and occurs right before the Eid al-Fitr [EED al-FEET-er] prayers. Maimonides described the eight forms of this practice, organized by merit. It is not love, but First Corinthians 13:13 is often translated as praising this action above faith and hope. Only Muslims who meet (*) Nisab for a year participate in this action. The Hebrew word for righteousness, or *tzedakah*, usually refers to this practice, which constitutes the pillar of Zakat in Islam. Mormons participate in this action with fully 10% of their income. For 10 points, name this practice accomplished by tithing.

ANSWER: giving to charity [or alms-giving; or tithing until it is read; or obvious equivalents]

15. A character immediately steals a donut after he is given a “choice apple” for performing this action. A character performs this action after getting dirty in a fistfight with Alfred Temple, but longs to visit Cardiff Hill instead. In Chapter 2, Jim is beaten with a slipper for doing this action in (*) exchange for seeing a sore toe. Ben Rogers admits that this activity is better than swimming, then offers an apple in order to do it. The protagonist explains that even Sid isn’t up to this task, since Aunt Polly only trusts him to do it. For 10 points, name this chore that Tom Sawyer connives half the town into performing.

ANSWER: whitewashing the fence [or painting the fence; or Tom Sawyer not whitewashing the fence, as the case may be; answers like convincing other people to paint the fence are fine, too]

16. Atoms with the largest value for this quantity have the highest priority in stereochemistry. Slater’s rules subtract a shielding constant from this value. The Rydberg [RIDE-berg] equation sets ionization energy proportional to it squared, over n squared. An increase in the “effective” form of this quantity decreases the (*) atomic radius, within a single period. This quantity increases by one in beta-minus decay but decreases by two in alpha decay. It is normally symbolized Z and written to the bottom-left of the symbol. Mendeleev’s key idea was organizing elements based on this quantity in the Periodic Table. For 10 points, name this quantity, the number of protons an atom has.

ANSWER: atomic number [or effective nuclear charge; prompt on charge]

17. A composer from this country wrote an E-flat Major “Evocation” followed by movements named for this country’s cities. “A Distant Dance” is the second movement of a piano work depicting “Nights in the Gardens of <this country>.” In a ballet analogizing Love as a magician, a composer from this country included a (*) “Ritual Fire Dance.” That composer from here also wrote *The Three-Cornered Hat*. Miles Davis included a jazz setting of a Joaquin Rodrigo concerto in his album titled “Sketches of <this country>”. For 10 points, name this European country, the home of the tenors Plácido Domingo and José Carreras.

ANSWER: Kingdom of Spain [or Reino de España]

18. Seven consecutive sentences in this book begin with the phrase, “Never shall I forget”, followed by the single word, “Never.” A character in this book recounts that soup tasted like corpses, after declaring God “is here, hanging from this gallows.” It ends with the narrator looking into a mirror and seeing a corpse staring back. This book, originally published as “And the World (*) Remained Silent”, won its author the 1986 Nobel Peace Prize. This book’s narrator doesn’t respond to his father’s dysentery-rattled summons at Buchenwald. This first entry in a trilogy begins in the town of Sighet. For 10 points, name this Holocaust narrative by Elie Wiesel.

ANSWER: Night [or *La Nuit*]

19. A woman who held this office invited the men who murdered her brother to a banquet, then flooded the banquet hall. The Great Royal Wife married the holder of this office. A woman who held this office was born in a lion's den, built the Chapelle Rouge, and led a campaign to Punt for frankincense and myrrh. The Coregency Stela suggests a woman, not (*) Smenkhare [SMEN-car-ay], achieved this office during the Amarna Succession. Another woman to hold this office killed herself with an asp after the Battle of Actium. For 10 points, name this office held by women like Hatshepsut, as well as the final ruler of the Ptolemaic dynasty, Cleopatra.
ANSWER: Pharaoh of Egypt [or King of Egypt; or Queen of Egypt; prompt on Great Royal Wife until it is read]

20. This law introduced the HOUSSE criteria. Lamar Alexander and Patty Murray sponsored a bipartisan bill in 2015 to amend this law, without allowing for "portability". This law was written by John Boehner in the House and Ted Kennedy in the Senate. This incarnation of the ESEA program introduced three criteria for people to be labelled as (*) "highly qualified." 32 states requested a waiver after failing to meet this law's standards by 2012. This law requires that any institution receiving Title I funds must meet annual yearly progress. For 10 points, name this 2001 education law, which mandates standardized testing and advancement of all students.
ANSWER: No Child Left Behind Act [or NCLB {often pronounced "nicklebee"}; prompt on ESEA or Elementary and Secondary Education Act until it is read]

TB: Compounds with this property serve as the mobile phase in reverse-phase HPLC. Compounds with this property have a low log P and low contact angle. Compounds with this property migrate *away* from the organic layer in a separatory funnel. A difference between 0.4 and 1.7 on the (*) Pauling scale indicates a compound has this property. Acetone and ethanol, but not hexane or carbon dioxide, have this property. This property is symbolized with lowercase delta pluses and minuses. For 10 points, name this property caused by differences in electronegativity, which makes compounds hydrophilic due to the buildup of partial charges.
ANSWER: polarity [or hydrophilicity until it is read; prompt on aqueous]

1. Answer the following about the Grand Canyon, for 10 points each:

[10] It was formed via this process, in which weathered sediment is transported away by water, wind, or glaciers.

ANSWER: erosion

[10] Limestone makes up the uppermost of these distinguishable layers of sedimentary rock in the canyon. The principle of superposition states that the oldest of these layers will always lie at the bottom.

ANSWER: strata [or stratum]

[10] The so-called Tonto Group consists of schist and granite in the Vishnu Basement rocks, the Tapeats Sandstone, and the Bright Angel layer, named for and composed of this rock. Natural gas is tapped from this rock in fracking.

ANSWER: shale

2. Answer the following about crazy antics of American governors, for 10 points each:

[10] John Kitzhaber served as Democratic governor of this state for twelve years total before resigning in 2015 amid an ethics scandal involving his fiancée. This state's current governor, Kate Brown, is openly bisexual.

ANSWER: Oregon

[10] This state's governor, who once compared the IRS to the Gestapo, vetoed 65 consecutive bills in June 2015. Bernie Sanders, and a man from this non-Vermont state, are the only Independents in the Senate.

ANSWER: Maine

[10] This current Republican governor of New Jersey and presidential candidate caused traffic nightmares for closing a few lanes on the George Washington bridge for a week in September 2013.

ANSWER: Chris Christie [or Christopher James Christie]

3. The main contention of this school was that virtue is sufficient for happiness, which implies that all non-sages are essentially slaves. For 10 points each:

[10] Name this school of philosophy which emphasized living in harmony with nature. It suggested that only sages could be free from human emotions.

ANSWER: Stoicism

[10] The Stoics embraced the classical form of this idea, that God is all-encompassing and is roughly equivalent with the entire universe. Baruch Spinoza famously embraced this idea, too.

ANSWER: pantheism [or word forms]

[10] Stoicism founder Zeno divided all of philosophy into physics, logic, and this topic, which was also the subject of a "geometrical" tract by Spinoza. This subject asks what is moral.

ANSWER: ethics [prompt on morality]

4. This albino character has red eyes, no eyebrows, and hires Mr. Micawber because he cannot conceive that anybody is *that* incompetent in business. For 10 points each:

[10] Name this character who blackmails Mr. Wickfield and tries to marry his daughter Agnes, but is stymied by Tommy Traddles.

ANSWER: Uriah Heep [or Uriah Heep]

[10] Agnes Wickfield ends up marrying this character, after Dora Spenlow dies in childhood. This character introduces the novel, "Whether I should turn out to be the hero of my own life...these pages must show."

ANSWER: David Copperfield [or David Copperfield]

[10] *David Copperfield* is the most autobiographical novel by this author of *Great Expectations* and *Oliver Twist*.

ANSWER: Charles Dickens

5. The Spanish word *hacienda* [AWE-see-end-uh] is a rough derivative of this term. For 10 points each:

[10] Name these privately-owned parcels of land in the Roman republic and empire. These massive estates were worked by slaves in Roman Sicily.

ANSWER: latifundia [or latifundium]

[10] Owners of latifundia greater than 600 acres in area were eligible to join this institution in the Roman Republic. This institution actually wielded power during the Republic, but it persisted well into the Empire.

ANSWER: Roman Senate

[10] Roman senators wore a toga with a stripe of this color on it. This color was popularly known as a symbol of royalty, especially in the Byzantine Empire.

ANSWER: purple [or mauve; do not accept or prompt on "pink"]

6. The maximum height of a projectile is proportional to this power of the sine of the launch angle theta. For 10 points each:

[10] Name this value. For an object undergoing uniform linear acceleration from rest, displacement is proportional to this power of the time.

ANSWER: two [or second power; or quadratic dependence]

[10] The laws of kinematics are independent of this quantity for the object being accelerated. This quantity is measured in kilograms.

ANSWER: mass [do not accept or prompt on “weight”]

[10] In projectile motion, this quantity equals the initial velocity squared, times the sine of two theta, over little g. A description is acceptable.

ANSWER: projectile range [or how far the projectile goes; or its distance; or obvious equivalents]

7. Answer questions about journalists in film, for 10 points each:

[10] In this 1941 Orson Welles classic, the title character is a newspaper magnate after starting in yellow journalism. This film’s protagonist mysteriously mutters “Rosebud” at his death.

ANSWER: Citizen Kane

[10] This actor plays a journalist who falls in love with the estranged heiress Ellie Andrews in *It Happened One Night*. He played the Charleston gentleman Rhett Butler in *Gone With The Wind*.

ANSWER: Clark Gable

[10] In a 1962 film, Feisal [FIE-sill] claims that this man is the “hero” that American reporter Jackson Bentley is seeking. This character’s death in a motorcycle crash is shown at the start of the film.

ANSWER: T.E. Lawrence [or “Lawrence of Arabia”; or El Orens; or El Aurens]

8. When many of these features are present, small block islands called skerries form. For 10 points each:

[10] Name these narrow inlets of water between tall cliffs, which are carved out by glaciers.

ANSWER: fjords [FYORDS]

[10] Fjords are especially common in this northernmost Scandinavian nation, which owns the archipelago of Svalbard, the northernmost settlement in the world with a permanent civilian population.

ANSWER: Kingdom of Norway [or Norge; or Noreg]

[10] Cliff-divers jump off into the narrow, shallow rocky channels at La Quebrada, near this New World city. This resort beach city on the Pacific Ocean was part of an early galleon route to Manila in the Philippines.

ANSWER: Acapulco, Mexico

9. “In the country of the blind, the one-eyed man is king.” For 10 points each:

[10] That mantra is usually first attributed to this wit of the Northern Renaissance in his book *Adagia*. This humanist author of *Handbook of a Christian Knight* was less revolutionary than Reformation colleagues like Martin Luther.

ANSWER: Desiderius Erasmus Roterodamus

[10] The saying is quoted in this Portuguese author’s novel *Blindness*. This Nobel Prize-winning author wrote *The Stone Raft*.

ANSWER: José Saramago

[10] This British sci-fi pioneer borrowed the quotation for his long story *The Country of the Blind*. He also wrote *War of the Worlds* and *The Time Machine*.

ANSWER: HG Wells [or Herbert George Wells]

10. Answer the following about decolonization in Africa after World War II, for 10 points each:

[10] Independence movements in the postwar period were largely driven by this principle, espoused by the Atlantic Charter, which argues that a nation has the sole right to choose its international status without any foreign meddling.

ANSWER: self-determination [or word forms]

[10] This nation was one of the first to decolonize, gaining its independence from Britain in 1957 under the leadership of Kwame Nkrumah. Kofi Annan was born in this country.

ANSWER: Republic of Ghana

[10] The actual first kingdom to get its independence after WWII was this nation, which was led by Idris I until a coup by Muammar Gaddafi in 1969.

ANSWER: Kingdom of Libya

11. This compound's K-sub-a is almost exactly the same as ammonia's K-sub-b--which is a complete coincidence. For 10 points each:

[10] Name this weak two-carbon carboxylic acid which is often sold in a very high-purity "glacial" form.

ANSWER: acetic acid [or C2H4O2; or CH3COOH; prompt on vinegar]

[10] Aqueous acetic acid will have a pH less than this number. This number corresponds to neutral pH.

ANSWER: 7 [or seven]

[10] Acetic acid is a common solvent in this laboratory technique, which purifies a solid by dissolving it in a hot solvent, then cooling it down and leaving impurities in the solution. It forms ordered products, unlike precipitation.

ANSWER: recrystallization [or word forms]

12. This era began when a god who was supposed to sacrifice himself chickened out, allowing Nana·huatl to jump in the fire instead. For 10 points each:

[10] Name this current age according to the Aztecs, which will end in earthquakes when the moon devours the sun.

ANSWER: the Fifth Age [or the Fifth Sun]

[10] The last four ages have been brought down by feuds between these two rival Aztec gods. One of them lost his foot when the world was being created, and the other one exiled himself after sleeping with a virgin.

ANSWER: Tezcatlipoca and Quetzalcoatl [be lenient on pronunciations; either order acceptable; prompt on partial answer]

[10] The first age came to an end after Quetzalcoatl sent these big predators down to earth. The Olmecs often sculpted these large cats as the Central American analog to the werewolf.

ANSWER: jaguars

13. Answer the following about early modern universities in Europe, for 10 points each:

[10] The concept of the European university was greatly influenced from these schools of higher education in the Islamic world, which often were linked to mosques and taught Islamic theology.

ANSWER: madrasas

[10] The earliest European university still in operation was in this Italian city, where women enjoyed comparatively more freedom than any other Renaissance city. It outlawed slavery with its early "Paradise Law."

ANSWER: Bologna

[10] This Western European city was home to another very early university now known as the Sorbonne. This city on the Seine was the largest in the West for most of the Middle Ages.

ANSWER: Paris, France

14. Answer the following about classical composer Muzio Clementi, the "Father of the Pianoforte," for 10 points each:

[10] In 1781, Clementi engaged in a piano contest with this young Austrian prodigy, who later borrowed a passage from one of Clementi's piano sonatas for the overture to his opera *The Magic Flute*.

ANSWER: Wolfgang Amadeus Mozart

[10] Clementi's teaching skills made an impression on Carl Czerny, the teacher of this piano virtuoso of the 19th century. This man wrote the tone poem *Les Preludes* and the *Mephisto Waltzes*.

ANSWER: Franz Liszt

[10] Clementi is said to have taken over the field of piano pedagogy where Domenico of this musical family had left off, after writing over 550 piano sonatas. Alessandro was the patriarch of this Italian compositional dynasty.

ANSWER: Scarlatti

15. Answer the following about effective techniques in rhetoric, for 10 points each:

[10] This especially common technique uses a series of similar consonant sounds at the beginning of consecutive words.

ANSWER: alliteration [or word forms]

[10] George Orwell hated this rhetorical device, an understatement which uses double negatives to change the emphasis of the sentence. These constructions aren't always completely ineffective, though.

ANSWER: litotes [pronounced "lie-TOE-tee"; joke was intended]

[10] Litotes are often employed as part of this mode of persuasion, in which the speaker appeals to the audience's character or makes an appeal to an authority. The Greek name is required.

ANSWER: ethos [prompt on ethical appeal]

16. Cutin and cutan are examples of these compounds. For 10 points each:

[10] Name this class of lipids, which are esters of long-chain fatty acids with long-chain alcohols. In plants, they cover the cuticle to prevent water loss.

ANSWER: waxes [or waxy cuticle]

[10] Cuticles appear in this phase of the life cycle of angiosperms. This diploid stage is dominant in angiosperms, but is smaller than the gametophyte in mosses.

ANSWER: sporophytes [or word forms]

[10] Specifically, the cuticle covers these plant structures, which hold small openings called stoma to allow for gas exchange. Most photosynthesis occurs in these green plant structures.

ANSWER: leaves [or leaf]

17. The Yippies nominated a pig named Pigasus in this year. For 10 points each:

[10] Name this year in which Abbie Hoffman, Bobby Seale, and six others were arrested at a tumultuous, riot-inducing Democratic National Convention.

ANSWER: 1968

[10] The 1968 DNC took place in this city, where “gestapo” tactics were used in the streets by Mayor Richard Daley’s men. Al Capone operated in this Midwest city.

ANSWER: Chicago, Illinois

[10] During the riots, protesters began shouting this five-word phrase while police officers brutally attacked demonstrators. This phrase likely originates from a Bob Dylan song.

ANSWER: “The whole world is watching” [do not accept or prompt on partial answers]

18. The artist of this painting created a lozenge follow-up to it titled for Victory, which is oriented 45 degrees relative to the normal. For 10 points each:

[10] Name this painting which uses colored masking tape and many squares and rectangles to represent traffic.

ANSWER: Broadway Boogie Woogie

[10] Piet Mondrian’s *Broadway Boogie Woogie* appropriately now hangs in this New York art museum, which is mostly dedicated to 20th century art, unlike the Metropolitan Museum of Art.

ANSWER: Museum of Modern Art [or MoMA]

[10] The painting *Broadway Boogie Woogie* has a white background and uses these three other colors extensively. Mondrian did many compositions named for these three colors, though he also used white and black.

ANSWER: red, yellow, and blue [any order is fine]

19. Characters killed in this novel include Uncle Pio and the Marquesa de Montemayor. For 10 points each:

[10] Name this five-part novel in which Brother Juniper witnesses a catastrophe at the title structure in Lima, Peru. It won the 1928 Pulitzer Prize.

ANSWER: *The Bridge of San Luis Rey*

[10] This author of *The Bridge of San Luis Rey* wrote about the Antrobus family surviving three disasters, including an ice age, in *The Skin of Our Teeth*.

ANSWER: Thornton Wilder

[10] Wilder also wrote this play set in Grover’s Corners, New Hampshire. In this play, the Stage Manager breaks the “fourth wall” to narrate to the audience about the Gibbs and Webb families.

ANSWER: *Our Town*

20. An influential 1948 novel by this author rejects free will and is narrated by Professor Burris, as he tours a Utopian community. For 10 points each:

[10] Name this American thinker who advocated behavioral engineering in *Beyond Freedom and Dignity*.

ANSWER: Burrhus Frederic Skinner

[10] Skinner raised eyebrows with *Walden Two*, a book whose title parodies this 19th-century transcendentalist. This man wrote *Walden* and “Civil Disobedience.”

ANSWER: Henry David Thoreau

[10] This thinker wrote “The Case Against B.F. Skinner” in response to *Beyond Freedom and Dignity*. This left-wing intellectual lambasted Skinner’s *Verbal Behavior*, arguing that humans have an innate ability for language.

ANSWER: Noam Chomsky