

## 2023 IQBT Undergraduate Championship

Questions written by: Mike Cheyne, Erik Christensen, Kurtis Droge, Joseph Krol, James Lasker, Leo Law, Jonathan Magin, Ben Miller, Matt Weiner, and Chandler West

Questions edited by: Will Alston, Matt Bollinger, Emmett Laurie, John Lawrence, Evan Lynch, Eric Mukherjee, and Ryan Rosenberg

### Round 12 – Tossups

1. News of this event triggered an uprising against the “Proprietary Agent” Henry Darnall, who was targeted by the “Associators.” Coode’s Rebellion was triggered by news of this event, which triggered another revolt whose leader’s execution was drunkenly signed by Henry Sloughter. Simon Bradstreet formed the Council of Safety during a revolt triggered by this event which imprisoned a man on Castle Island, after which he allegedly tried to flee disguised in women’s clothes. Frances Nicholson was targeted by (\*) Leisler’s Revolt after this event. The Dominion of New England was re-separated and Edmund Andros fell from power after this event, during which Parliament created a document that became a model for the U.S. Bill of Rights. For 10 points, name this event, which placed William and Mary on the British throne.

ANSWER: Glorious Revolution [or Bloodless Revolution; or the overthrow of James II (“the second”); or the overthrow of the House of Stuart; or the ascension of William and Mary before mention]

2. During World War II, a thinker with this first name wrote a book identifying money and foreign conquest as the two main causes of the dissolution of ties with the past and community, called “uprootedness.” Another thinker with this first name argued that a certain group’s “immanence” is not due to character traits that have produced their situation; rather, their situation has created their character. A Christian (\*) mystic with this first name included letters to the priest Jean-Marie Perrin (“pair-EN”) in the book *Waiting for God*. Another thinker with this first name described how society constructs men as “the Subject” and women as “the Other” in a book that declares, “one is not born but becomes a woman.” For 10 points, the author of *The Second Sex* had what first name and the surname de Beauvoir (“duh boh-VWAHR”)?

ANSWER: Simone [accept Simone Weil; accept Simone de Beauvoir]

3. A character who holds this office sings of a courtesan who claims that she can’t sleep with the Chief Tax Officer because her period has suddenly started. After that holder of this office dies, his wife is told, “Turn your mind only to the unborn.” A holder of this office feigns anger after being told “We know you for a man of honour,” so marketplace women bring him better clothes. In a play, that holder of this office is told “I have no (\*) father, eater of left-overs” by his son, who returns from medical school in England. That holder of this office is chastised by Iyaloja (“ee-yah-LOH-jah”) and strangles himself with chains upon seeing the corpse of his son, Olunde (“oh-LOON-day”). For 10 points, name this office held by Oba, who is prevented from committing ritual suicide in a play by Wole Soyinka (“wah-lay soh-yin-kah”).

ANSWER: king’s horseman [or Commander of the King’s Stables; or Elesin]

4. A fire god appears before this group and asks one of its members to cast a magical weapon into the ocean, having forgotten the spells that manipulate its strings. Upon seeing a city sink into the sea, this group begins a journey in which several members die of vanity, while another dies of gluttony. Its last surviving member flies to heaven on a chariot after ascending a mountain with a dog, who turns out to be the god of death in disguise. This group's oldest member is goaded into (\*) losing their freedom for 13 years. Since a woman told this group that they had to share whatever they brought back from a contest, they all share a single wife. This group is exiled to a forest after losing a dice game. Yudhistira ("yoo-DISS-tir-uh"), Bhima ("BEE-muh"), and Arjuna ("AR-joo-nuh") are three of, for 10 points, what brothers from the *Mahābhārata* ("muh-HAH-BAH-ruh-tuh")? ANSWER: the **Pandava** brothers [or **Pandavas**]

5. In the Lorenz gauge, this equation is satisfied independently by the scalar and vector potentials. In tomography, this equation is often linearized either the Rytov or Born approximations. Applying Green's second identity to this equation, and ignoring the volume integral, gives Kirchoff's ("KEER-koff's") integral formula. Using separation of variables on this equation gives a (\*) time-independent portion equivalent to Helmholtz's equation. If  $x$  is a solution to this equation, then so is " $x$ -plus- $c \cdot t$ ." This equation can be stated as: the d'Alembertian ("dah-lum-BAIR-shun")-of- $u$  equals zero, or as: the second time derivative of  $u$  equals " $c$  times del-squared of  $u$ ." For 10 points, name this partial differential equation used to model oscillations. ANSWER: **wave** equation [or inhomogenous **wave** equation or electromagnetic **wave** equation]

6. A Mary Beth Edelson collage based on da Vinci's *Last Supper* overlays this artist's head over that of Jesus. This artist painted watercolors of the Rotunda and the Law School Building at the University of Virginia. With a series of charcoal drawings given titles like *No. 3 - Special*, this artist moved beyond the influence of instructor Arthur Wesley Dow. This artist depicted cloudscapes as seen from an airplane window in the massive *Sky Above* (\*) *Clouds* Series. This artist often painted at geologic formations near her home that she nicknamed the "Black Place" and "White Place." This artist included white hollyhocks and calico roses in paintings of bones collected from the desert. For 10 points, name this American artist known for paintings of New Mexico landscapes, cow skulls, and enlarged flowers. ANSWER: Georgia **O'Keeffe**

7. According to Ibn Iyās, a ruler of this state was beaten to death with clogs by a group of women. The reign of this state was the peak of a cavalry-centric chivalry code called *furūsiyya* ("foo-ROO-SEE-yuh"). This state's vassal Dulkadir was attacked by Selim I ("the first"), who pretended to offer it a choice of Dulkadir's next ruler then routed its armies at Marj Dābiq ("DAH-bick"). Shortly after the Lusignan ("lew-zeen-YON") king Peter I ("the first") sacked one of this state's ports, a rebellion overthrew its last Kipchak ruler and established the first of its (\*) Circassian rulers, Barquq. Shajar al-Durr ruled this state as part of the Bahri Dynasty. By defeating an army led by Kitbuqa, this state repulsed Mongol expansion at the Battle of Ain Jalut. For 10 points, name this state ruled by namesake slave-soldiers, which succeeded the Ayyubid ("ah-YOO-bid") Dynasty in Egypt. ANSWER: **Mamluk** Sultanate [or **Mamluk** Empire or **Mamluk** Dynasty or **Salṭanat al-Mamālīk**]

8. This literary work quotes Plato to describe one character as having a "Natural Depravity," which it links to a religious understanding of the heart. This work illustrates that "evil is defeat" according to an introduction by Raymond Weaver, who assembled this incomplete work for publication decades after its author's death. This work's title character is referred to with the epithet "Handsome," while his superior bears the nickname (\*) "Starry." This novella's final chapter presents a ballad in which its title character is "in the Darbies" while he awaits his execution. Unable to verbally defend himself because of his stutter, the main character fatally strikes Claggart in the face after being accused of mutinying against Captain Vere in, for 10 points, what final novella by Herman Melville? ANSWER: **Billy Budd**, *Sailor (An Inside Narrative)*

9. The S·P·A·C is a framework for explaining the movement of this substance through a potential gradient. A lysimeter is used to measure the flux of this substance. The tissue transporting this substance can be arranged into centr·arch, ex·arch, end·arch, and mes·arch. Pressure, gravimetric, and matrix effects are added up to find this substance's namesake potential, which is symbolized psi ("p'sye"). Hydathodes ("HYE-duh-thodes") allows this substance to exude via (\*) guttation. The cohesion-tension mechanism explains the transport of this substance through tracheids ("TRAY-kee-ids") and vessel elements. In xero·phytes, its loss is prevented by thick waxy cuticles. Guard cells prevent the loss of this substance through stoma via transpiration. 10 points, name this substance transported by xylem ("ZYE-lem") in plants.

ANSWER: water [prompt on sap with "what component of sap?"]

10. This thinker's list of 24 desired inventions ends with "varnishes perfumable by rubbing." This thinker discussed replicating Jan Baptista van Helmont's results in correspondence with George Starkey. Several friends discuss "mixt bodies" in the garden of Carneades ("kar-NEE-uh-dees") in a book by this thinker which argues that matter consists of corpuscles ("KOR-puh-sulls") in motion. The "invisible college" centered on this thinker was a precursor to the Royal Society. The second (\*) virial coefficient of the van der Waals equation becomes zero at this man's namesake temperature. Edme Mariotte independently discovered this man's best-known result, which is often grouped with Gay-Lussac's, Avogadro's, and Charles's laws. For 10 points, what Irish author of *The Sceptical Chymist* names a relation between an ideal gas's pressure and volume?

ANSWER: Robert Boyle [accept Boyle temperature or Boyle's law]

11. In a 2011 paper by Horowitz and Parrondo, this property's definition is extended to include processes with discrete feedback. Novikov, Curzon, and Ahlborn developed model systems which display a more realistic "endo-" version of this property. Processes which are stochastic, Markovian, and possess one form of this property can be analyzed with the Crooks fluctuation theorem. The ability to derive processes *without* this property from dynamics which *do* possess this property is known as (\*) Loschmidt's paradox. Processes with this property must be quasi-static, and are always in thermodynamic equilibrium. Every step of the Carnot ("kar-NOH") cycle possesses this property, allowing it to be used for both heating and refrigeration. For 10 points, name this property of processes which can proceed in a forwards or backwards direction.

ANSWER: reversibility [accept word forms like reversible or "can be reverse"; reject "irreversible"]

12. One of these poems imagines "All whom war, dearth, age, agues, tyrannies, / Despair, law, chance hath slain" rising from the dead. Another of these poems lists "lecherous goats," "serpents envious," and "poisonous minerals" as things that cannot be damned. Three words from one of these poems title a book subtitled "Camille Paglia ("PAL-ee-uh") Reads Forty-Three of the World's Best Poems." The title entity of one of these poems is described as (\*) "slave to Fate, Chance, kings, and desperate men." In another of these poems, Reason is described as a weak viceroy who lets the speaker become "like an usurp'd town," leading the speaker to ask God to "break, blow, burn and make me new." For 10 points, "Death Be not Proud" and "Batter My Heart, Three-Person'd God" are from what set of poems by John Donne?

ANSWER: Holy Sonnets [or Divine Meditations; or Divine Sonnets; prompt on sonnets; prompt on sonnets by John Donne]

13. *Description acceptable.*

**While performing this role in 2018 in Singapore, Misty Copeland controversially abandoned the standard choreography halfway through a passage, and did piqué (“pee-KAY”) turns instead. The *pas de deux* created for this character was the only music contributed by Ludwig Minkus to the ballet in which she appears. That *pas de deux* for her is sandwiched between a *pas de six* and a succession of Hungarian, Spanish, Neapolitan, and Polish dances. This character, who performs 32 successive (\*) fouettés (“fwuh-TAYS”) in the Petipa–Ivanov version, is the daughter of Rothbart and tricks Prince Siegfried into betraying his vow to a transformed woman he met while hunting. This character is traditionally played by the same dancer as the heroine, but in an opposite-color costume. For 10 points, name this negative doppelganger of Odette in a Tchaikovsky ballet.**

ANSWER: **Odile** (“oh-DEEL”) [accept **black swan**; prompt on **swan**; prompt on any combination of **swan** and **evil**, **wicked**, **bad**, **malevolent**, etc. by saying, “Give either her name or appearance”]

**14. Augustine noted the presence of six objects during this event as a reference to the six ages from Creation to the Apocalypse. After returning to the site of this event, Jesus heals the son of a royal official from Capernaum (“kuh-PER-nay-um”). John Paul II’s encyclical *Redemptoris Mater* (“ray-demp-TOH-riss MAH-tare”) cites the line “Do whatever he tells you” from the account of this event as scriptural evidence for the intercession of (\*) Mary. In the King James Version, Jesus responds to a request during this event with the line “Woman, what have I to do with thee?” The phrase “saving the best for last” originates from the story of this event in the Gospel of John, in which it is Jesus’ first miracle. During this event, Jesus instructs servants to fill six stone jars. For 10 points, name this ceremony during which Jesus turned water into wine.**

ANSWER: the **Wedding at Cana** [accept Jesus turning **water into wine** before “water” is read; accept equivalents for **wedding** such as **marriage**]

**15. A surprise Thanksgiving day press conference called this city a “malignant tumor” which needed surgery. After the U.S. confiscated his passport, Martin Luther King Jr. moved around this city with an American Express card as ID. A double agent leaked the existence of LIVE OAK, who coordinated with SHAPE to secure this city. E. Allan Lightner was stopped trying to go to the opera in this city, leading to a tank standoff. Gail Halvorsen became known as the (\*) “candy bomber” during an event in this city. Lucius Clay coordinated an event in his city which made use of the Tempelhof. Walter Ulbricht (“ULL-brickt”) ordered the construction of a structure in this city, which was supplied during a namesake airlift. For 10 points, name this city whose division during the Cold War was solidified by the 1961 building of a wall.**

ANSWER: **Berlin** [or West **Berlin**; or East **Berlin**]

**16. In a novel by this author, a woman explains the meaning of the word “diarrhea,” while enticing an orchard’s guardian to give her fruit. The protagonist of that novel by this author travels through time to see the destruction of Sodom and Gomorrah and other instances of God’s cruelty. In another novel by this author, a character has a recurring nightmare in which he is a Roman soldier who kills his own son. (\*) *Cain* was the final novel of this author, who wrote a novel in which Jesus is employed by the Devil as a shepherd and a novel in which “the old man with the black eye patch” and “the boy with the squint” are among those afflicted by a “white sickness” that spares the Doctor’s Wife. For 10 points, *The Gospel According to Jesus Christ* and *Blindness* are by what Portuguese author?**

ANSWER: José **Saramago** [or José de Sousa **Saramago**]

17. A violin solo in one of this work's arias is the focus of a Naomi Cumming article on the "subjectivities" of that alto aria, which is in B minor and 12/8 time. Another aria in this work is scored for the unusual combination of soprano, flute, and two oboi da caccia ("KAH-chuh"). In this work, an E-minor duet for soprano and alto is repeatedly interrupted by the cries that mean, "Release him! Do not bind him!", sung by one of this piece's two choirs. The arias "Aus Liebe will mein Heiland sterben" ("owss LEE-buh vill myne HYE-lund sh'TAIR-bun") and (\*) "Erbarme dich" ("air-BAR-muh dish") are part of this piece, which uses a string "halo" effect when Jesus sings. A revival of interest in this piece's composer was sparked by an 1829 performance of this piece, conducted by Felix Mendelssohn. For 10 points name this oratorio by J. S. Bach based on the first book of the New Testament.

ANSWER: *St. Matthew Passion* [or *Matthäus-Passion*; or *Passio Domini nostri J.C. secundum Evangelistam Matthæum*]

18. A 2008 paper that posits a new example of this idea in its title was written by Angrist and Kugler and examines an increase in Colombian coca production. Richard Auty coined the common name for this idea, which was shown to be empirically true in the 1970s and 80s in a paper by Jeffrey Sachs ("sacks") and Andrew Warner that contrasted the Asian Tigers with Mexican bankruptcy. A rare European example supporting this idea occurred after a discovery in Groningen ("GRO-ning-en") in the 1970s, and is called (\*) "Dutch disease." A commonly cited cause of this idea is lack of state capacity to curb corruption, exacerbated by the increased prevalence of authoritarian regimes in countries rich in diamonds or oil. For 10 points, name this phenomenon in which countries with abundant natural wealth have worse economic outcomes.

ANSWER: natural resource curse [or curse of natural resources; or curse of oil; or paradox of plenty; or poverty paradox; accept Dutch disease before mention]

19. This is the lightest element for which the alkaloid sparteine ("SPAR-tuh-een") is used as a chiral ("KY-ruhl") ligand. During ketone ("KEE-tone") synthesis, this is the smallest element that interacts with the methoxy group of a Weinreb ("WYNE-reb") amide. The T·M·E·D·A ligand ("ligg-und") has a particularly strong affinity for this element, and can complex with it to form ladder structures. Compounds of this element are used to directly modify benzene rings in directed ortho (\*) metalation. The textbook example of kinetic enolate ("EE-noh-late") formation uses a non-nucleophilic di-iso-propyl-amide base of this element. This element and copper are the basis of Gilman reagents. This element's aluminum hydride is a common strong reducing agent, and the strongest commercially available base is a tert-butyl ("tert-BEW-till") compound of this element. For 10 points, name this element, the lightest alkali metal.

ANSWER: lithium [or Li]

20. In the aftermath of one of these events, British courts ruled that necessity was not a defense for murder after Tom Dudley and Edwin Stephens ate a colleague. A knack for surviving these events gave Argentine nurse Violet Jessup her nickname. Trinity House marks the locations of these events. One of these events involving men under Cloudesley Shovell triggered the development of the H4 by John Harrison, who sought to replace the method of (\*) "dead reckoning" with a chronograph in his entry for the longitude prizes. Radio was integral in the aftermath of one of these events involving the White Star Line's *Atlantic*. For 10 points, name these disasters, one of which afflicted the *Endurance*.

ANSWER: shipwrecks [accept any answer indicating the sinking of a ship, boat, or other maritime vessel; accept maritime disaster; accept Scilly naval disaster of 1707 or the sinking of the Endurance]

## Round 12 – Bonuses

1. Answer the following about methods of cleaning surfaces, for 10 points each:

[10m] A mixture of UV light and this oxidizing substance is used to remove surface contaminants prior to microscopy. This molecule breaks down into a singlet-state atom and a molecule after absorption at the Hartley band.

ANSWER: **ozone** [or **O<sub>3</sub>**]

[10h] This highly-corrosive oxidizing substance is a common choice for removing organic contaminants from a surface, and is generated by mixing concentrated sulfuric acid and hydrogen peroxide.

ANSWER: **piranha** solution [or **piranha** etch, or **piranha** acid]

[10e] Another popular method of surface cleaning is to sputter the surface with ions from this group of elements, such as the argon (I) ion. Under standard conditions, this group of elements all exist as single atoms with low reactivity.

ANSWER: **noble gases** [or **inert gases**, or Group **18**]

2. After encountering Joseph von Hammer's translations of Hafez, this author wrote his *West-Eastern Divan*. For 10 points each:

[10m] Name this author whose 1786–88 travels in Italy inspired his *Roman Elegies*, *Venetian Epigrams*, and travelogue *Italian Journey*.

ANSWER: Johann Wolfgang von **Goethe** (“GUR-tuh”)

[10h] Some of Goethe's most quoted poems, such as “Nur wer die Sehnsucht kennt” (“noor vair dee ZAHN-sookt kent”), or “None but the Lonely Heart,” are performed by this character in *Wilhelm Meister's Apprenticeship*. The most famous poem performed by her begins “Do you know the lands where the lemon trees bloom?”

ANSWER: **Mignon**

[10e] Goethe harshly criticized Christianity in a poem titled for this titan, who is “bound” in an Aeschylus play for giving fire to humans.

ANSWER: **Prometheus** [accept **Prometheus Bound**; accept **Promētheús Desmōtēs**]

3. This man was called an “incurable lunatic” by Jeffersonians for the staunchly pro-Federalist content he published in his newspaper *American Minerva*. For 10 points each:

[10m] Name this newspaper editor, who created a book nicknamed for its blue cover that sold over 50 million copies by 1890.

ANSWER: Noah **Webster** Jr.

[10e] Webster especially angered Jeffersonians by praising an unpopular 1794 treaty between the U.S. and Great Britain negotiated by this first Chief Justice.

ANSWER: John **Jay** [accept **Jay's Treaty**]

[10h] After succeeding William Coleman as editor of the *New-York Evening Post* in 1829, this man began shifting his views from Federalist to Jacksonian. He introduced Abraham Lincoln when the latter gave his “Cooper Union speech.”

ANSWER: William Cullen **Bryant**

4. You're traveling across the U.S. trying to stop in towns named after breakfast food. For 10 points each:  
[10e] Your journey begins at Two Egg, a town near the border of these two states. These two states share the Okefenokee ("OH-kee-fuh-NOH-kee") Swamp and, with their neighbor Alabama, share the ACF river basin.

ANSWER: Florida AND Georgia

[10m] There are several states with towns named "Bacon," but you choose the two in this state's Marion and Orange counties. You also traverse the numerous roundabouts in this Midwestern state's city of Carmel ("KAR-mul").

ANSWER: Indiana

[10h] Your final stop is in this metropolitan area's suburb of Ham Lake. You also make sure to enjoy other specialties of this metro area, such as the Juicy Lucy burger and the tasty meals of Hmong Village.

ANSWER: Minneapolis-Saint Paul [accept either underlined part; accept the Twin Cities]

5. The Naqshbandi and Chishti are two orders of this tradition, which can fall under either Sunni or Shia. For 10 points each:

[10e] Name this mystical Islamic religious tradition. The Mevlevi order within this tradition practices a form of whirling meditation.

ANSWER: Sufism [or Tasawwuf]

[10m] This form of meditative practice, whose name means "remembrance," involves chanting phrases in order to focus on God. The whirling of the Mevlevi order is a form of this practice.

ANSWER: dhikr [or zikr or thikr]

[10h] This name is given to the phrase "subhan Allah," or "glory to God," in the same way that the Takbir is the name for the phrase "Allahu akbar." This prayer is said 33 times in the Fatima *dhikr*.

ANSWER: the Tasbih [or *at-Tasbih*]

6. According to the *Heimskringla*, ("heim·SKRING·luh") this ruler tucked a wooden version of himself into bed, fearing Sweyn II would murder him, then broke his alliance with Sweyn ("Swain") when Sweyn attacked it with an ax. For 10 points each:

[10h] Name this king, who defeated frequent rival Sweyn II Estridsson at the Battle of Nisa.

ANSWER: Harald Hardrada [or Harald Sigurdson or Harald III; prompt on Harald]

[10m] While king, Harald assassinated Einar Thambal-skelfir, who had supported Magnus and led opposition to this half-brother of Harald's. This saint and King of Norway died fighting a peasant army at Stiklestad.

ANSWER: Olaf II of Norway [or St. Olaf]

[10e] Much of Harald's early fighting experience came in service of this empire, who employed an elite group of largely Norse bodyguards called the Varangian Guard.

ANSWER: Byzantine Empire [or Byzantium or Eastern Roman Empire]

7. The static form of this force arises from interactions between small rugged surface features named asperities. For 10 points each:

[10e] Name this force that acts against motion when two objects slide against one another.

ANSWER: friction [accept static friction]

[10m] This is the maximum angle for which an object can be held at rest by friction on an inclined plane without slipping. This angle is equal to the inverse tangent of the local coefficient of static friction.

ANSWER: angle of repose [or repose angle]

[10h] These diagrams illustrate how the friction coefficient for a lubricated contact is a nonlinear function of load, viscosity and entrainment speed, which are combined into the Hersey number on these diagrams' horizontal axes.

ANSWER: Stribeck curves [or Stribeck diagrams]

8. An artist from this movement encased a 1957 Cadillac DeVille in concrete and parked the resulting sculpture on the UChicago campus. For 10 points each:

[10m] Name this movement to which the artist of *Concrete Traffic*, Wolf Vostell, belonged. George Maciunas coined the name for this international collective, which included pioneers in conceptual, performance, and video art.

ANSWER: **Fluxus**

[10h] For this infamous 1974 performance piece, Chris Burden had himself nailed to a Volkswagen Beetle in a Christ pose.

ANSWER: ***Trans-Fixed***

[10e] Filippo Marinetti's manifesto for this earlier movement, which glorified speed and modern technology, proclaimed that a "roaring automobile" was more beautiful than the Winged Nike of Samothrace.

ANSWER: Italian **Futurism** [or **Futurismo**]

9. An anthology of works in this poetic genre was compiled by the Five Men of the Pear Chamber. For 10 points each:

[10h] Name this poetic genre, whose oldest examples frequently employ figures of speech called "pillow words." It gave rise to a parodic variant whose name means "mad poetry."

ANSWER: **waka** [or **yamato-uta**; prompt on *uta*; prompt on "*tanka*" by asking "what broader genre does this apply to?"]

[10e] It remains unclear whether the term "pillow words" was inspired by the *Pillow Book* of Sei ("Say") Shōnagon, a court rival of this author of *Tale of Genji*.

ANSWER: Lady **Murasaki** [or **Murasaki** Shikibu]

[10m] *Grass Pillow* is a literal translation of the title of a novel by this Japanese author, in which the unnamed narrator retreats to a mountain resort to unleash his artistic potential. He also wrote a novel narrated by an animal owned by Mr. Sneaze and his family.

ANSWER: Natsume **Sōseki** [or Natsume **Kin'nosuke**; accept names in either order]

10. Members of this group pretend to be lazy, drunken commoners for two years, before enacting a revenge plan which ends with the offering of a severed head at a grave. For 10 points each:

[10m] Identify this group whose story is told in various narratives called *Chūshin-gura*.

ANSWER: the **forty-seven ronin** [accept answers which mention **samurai** or **ronin** or **retainers** and the number **forty-seven**; accept answers indicating the **retainers** of **Asano** Naganori]

[10e] The forty-seven ronin are buried near one of these buildings named Sengaku-ji. Kyoto's Kinkaku-ji is one of these buildings named for its golden pavilion.

ANSWER: **temples** [accept Buddhist **temples**; accept **Temple** of the Golden Pavilion; prompt on **shrines**; prompt on **ji** since that's in all of the names; reject "Shinto temples" or "Shinto shrines"]

[10h] The forty-seven ronin enter a courtyard hidden behind one of these objects to find the villain Kira Yoshinaka. Many *yōkai* are shown on one of these objects called the *Bakemono Zukushi* ("BAH-kay-MOH-noh ZOOK-shee").

ANSWER: a **scroll** [or **emaki** or **emakimono**; accept Monster **Scroll**; prompt on **paintings**]



11. Most of this city’s inhabitants were killed or enslaved during a 146 B.C.E. sack by Lucius Mummius which crushed the Achaean (“uh-KEE-an”) league’s resistance. For 10 points each:

[10e] Name this city whose namesake isthmus connects the Peloponnesus to the rest of Greece.

ANSWER: **Corinth** [or **Corinthus** or **Korinthos**; accept Isthmus of **Corinth**]

[10h] This historian, who was sent to Rome as a prisoner by the Achaean League, praised Mummius as “moderate” for saving Corinth’s art, despite brutalizing its people. He chronicled the Punic Wars in *The Histories*.

ANSWER: **Polybius** [or **Polybios**]

[10m] Two decades earlier, the Romans sacked this city and ran off with most of its treasure after the Battle of Pydna. A *larnax* emblazoned with the eight-pointed Vergina Sun was found in this capital of ancient Macedon.

ANSWER: **Pella**

12. Philosopher Chris Fraser claims that this thinker and his followers created the world’s first system of consequentialist ethics in their doctrines of “Condemning Aggression” and “Moderation in Use.” For 10 points each:

[10m] Name this thinker whose followers sought objective moral standards, called *fa*, to replace Confucian reliance on traditional values.

ANSWER: **Mòzǐ** [or **Mo Tzu**; or **Mò Dí**; or **Mo Ti**; or Master **Mò**; or **Micius**]

[10e] A chief doctrine of Mohist ethics was the “inclusive” or “universal” form of this concept. Greek philosophers differentiated *agape* (“ah-GAH-pay”), *philia*, and *eros* as forms of this concept.

ANSWER: **love** [or **care**; or **ài**; accept universal **love**; accept inclusive **care**; accept impartial **care**; accept **jian'ai**]

[10h] Chinese word required. Mozi opposed the Confucian interpretation of this cardinal virtue, for directing goodness too much toward one’s family instead of all humankind. Mozi instead used this word to mean general “humaneness.”

ANSWER: **rén**

13. The presence of these entities defines a porphyry (“POR-fuh-ree”). For 10 points each:

[10h] Name these large crystal inclusions found in igneous rocks. They are classified as eu-hedral, sub-hedral, or an-hedral, depending on whether their crystal faces are fully formed.

ANSWER: **pheno-crysts**

[10e] Pheno-crysts can be formed when crystals grow within this substance before it fully solidifies. This molten material solidifies into igneous rocks, and it is called lava when it extrudes.

ANSWER: **magma**

[10m] A common mineral that forms phenocrysts is this one, which are classified as “clino” or “ortho” based on its crystal structure. It is found between amphibole (“AM-fuh-boll”) and olivine on the discontinuous branch of Bowen’s reaction series.

ANSWER: **pyroxene** (“pye-ROCK-seen”)

14. This collection’s title essay claims that all of the author’s debts to society have been paid off by the American murder of Vietnamese peasants. For 10 points each:

[10h] Name this essay collection, written in Folsom Prison, which includes a discussion of Muhammad Ali in “Lazarus, Come Forth” in its section “Blood of the Beast.” Its other essays include “The White Races and Its Heroes” and “The Primeval Mitosis.”

ANSWER: **Soul on Ice**

[10e] Eldridge Cleaver’s *Soul on Ice* includes the essay “Notes on a Native Son,” which attacks this author of *Go Tell It on the Mountain* and *The Fire Next Time* for supposed self-hatred toward Black people.

ANSWER: James **Baldwin** [or James Arthur **Baldwin**]

[10m] Joan Didion describes visiting Cleaver in his apartment in this essay, which opens “We tell ourselves stories in order to live.” This essay titles her second collection, which came out eleven years after *Slouching Towards Bethlehem*.

ANSWER: “The **White Album**”

15. A movement by this composer depicts the stutter of Dora Penny, dubbed “Dorabella.” For 10 points each:  
[10e] Name this English composer who depicted his friend Augustus J. Jaeger in the “Nimrod” variation of his *Enigma Variations*.

ANSWER: Edward **Elgar** [accept Sir Edward William **Elgar**, 1st Baronet]

[10h] The presto “Troyte” variation from the *Enigma Variations* is written in this extremely unusual time signature, used only in very fast music. It was more notably used by Borodin in the *prestissimo* scherzo of his second symphony.

ANSWER: **1/1** (“one-one”) [reject any other answers]

[10m] This more contemporary composer and conductor used 1/1 time in the “Improvisation II (“two”) sur Mallarmé” movement of his *Pli selon pli*. He wrote his piece *Répons* while serving as the first head of IRCAM at the *Centre Pompidou*.

ANSWER: Pierre (Louis Joseph) **Boulez**

16. In a paper arguing for a “white” form of this concept, Bonilla-Silva et al. describe how it limits the chances for relationships with non-white people. For 10 points each:

[10h] Name this concept discussed in *Outline of a Theory of Practice*, which subconsciously reproduces practices and ideas that “go without saying”, invisibly influencing the social outlook of people affected by it.

ANSWER: **habitus**

[10e] Pierre Bourdieu’s (“boor-DEW’s”) concept of *habitus* was developed from the ideas of this Frenchman’s work on socialization. This anthropologist analyzed exchange rituals in *The Gift*.

ANSWER: Marcel **Mauss** (“mohss”)

[10m] Mauss used the term *habitus* in a paper titled for the techniques of this object. A satirical Horace Miner paper uses an etic (“EE-tick”) perspective to describe rituals of this object among the “Nacirema.”

ANSWER: **body** [or **bodies**; accept **body techniques** or *Techniques of the body*; accept **body ritual** or “**Body Ritual among the Nacirema**”] (The word *Nacirema* is *American* spelled backwards.)

17. A meeting aboard the *USS Renville* unsuccessfully proposed the Van Mook Line during this conflict, during which the U.S. threatened to withdraw Marshall Plan aid from one of the belligerents. For 10 points each:

[10m] Name this conflict, during which future vice president Mohammad Hatta secured Indian support. This conflict ended when Queen Juliana relinquished control over the country where it occurred.

ANSWER: **Indonesian War of Independence** [or **Indonesian National Revolution**]

[10h] During the war, Indonesian troops burnt this city while retreating, creating its namesake “sea of fire.” This city operated as a resort for Europeans with features like the European shops of Braga Street.

ANSWER: **Bandung**

[10e] The Renville Agreement was brokered by this U.N. body, whose five permanent members are the U.S., the U.K., France, Russia, and China.

ANSWER: United Nations **Security Council**

18. A review of this artist in *The Athenaeum* claimed that his painting of *Bacchus and Ariadne* looked “exactly like an omelette.” For 10 points each:

[10e] Name this artist. This artist painted an apocryphal hare in a blurry painting of the Great Western Railway, *Rain, Steam, and Speed*.

ANSWER: J(oseph) M(allord) W(illiam) **Turner**

[10h] An unfavorable critic dismissed this Turner painting as “soapsuds and whitewash.” Turner claimed he had himself tied to the mast of the steamboat *Ariel* for four hours to create this painting.

ANSWER: **Snow Storm**: *Steam-Boat Off a Harbour’s Mouth* [reject “Snow Storm: Hannibal and his Army Crossing the Alps]

[10m] This writer, who dismissed Turner’s *Angel Standing in the Sun* as “indicative of mental disease,” treated Turner much more favorably in the first section of his five-volume work *Modern Painters*.

ANSWER: John **Ruskin**

19. Answer the following about depictions of Thomas Cromwell in modern British literature, for 10 points each.

[10e] Cromwell is the protagonist of a trilogy of novels by this author, which begins with *Wolf Hall* and ends with 2020’s *The Mirror & The Light*.

ANSWER: Hilary **Mantel** [or Hilary (Mary) **Thompson**]

[10m] Cromwell bribes Richard Rich to perjure himself and bring about the execution of Thomas More for treason in this play by Robert Bolt.

ANSWER: A **Man for All Seasons**

[10h] A similarly villainous depiction of Cromwell is the title character of *Privy Seal*, the second in this trilogy of historical novels by Ford Madox Ford, which fictionalizes the life of Henry VIII’s penultimate wife, Catherine Howard.

ANSWER: *The **Fifth Queen***

20. Diagnosis of this disease requires lesions disseminated in space and time according to the McDonald criteria. For 10 points each:

[10e] Name this autoimmune disease which can be treated using di-methyl fumarate and ocrelizumab (“OH-kruh-LIZ-yoo-mab”). In this disease, the central nervous system undergoes de-myelination.

ANSWER: **multiple sclerosis** [or **MS**]

[10m] A paper in *Science* in 2022 suggested that infection with this virus increases the risk of MS by 32-fold. This virus is also related to Hodgkin’s lymphoma and nasopharyngeal carcinoma.

ANSWER: **Epstein–Barr** virus [or **EBV**]

[10h] The MS drug natalizumab (“NAT-uh-LIZ-yoo-mab”) was temporarily pulled from the market when it was discovered to cause PML. PML is caused by this poly-oma-virus, which generally only affects immuno-compromised persons.

ANSWER: **JC** virus [or **JCV**; or **John Cunningham** virus; or **human polyomavirus 2**]