



## 2023 PACE NSC

Edited by David Bass, Jordan Brownstein, Jaimie Carlson, Ganon Evans, Athena Kern, Joseph Krol,  
Young Lee, Adam Silverman, Chandler West  
Head Editor Ganon Evans

### Round 06 - Tossups

1. David Hendry’s “People’s History” of this organization describes women who worked as clerks in its “Duplicating Section.” The Crawford Committee advised this organization to implement the three “Reithian Principles” when it was restructured in 1926. George Osborne advanced a 2015 pledge to make this organization’s services free for people over the age of 75. Conductor Henry Wood established a series of daily summer concerts run by this organization known as the (\*) “Proms.” To access this royally-chartered organization’s on-demand iPlayer service, households must pay its license fee of 159 pounds for color TV. In July 2022, this organization confirmed that Ncuti Gatwa (“shoo-ti gat-wa”) would be the Fifteenth Doctor. For 10 points, name this public broadcaster in the UK.

ANSWER: **BBC** [or **British Broadcasting Corporation**; accept *The BBC: A People’s History* or **BBC** Proms or **BBC** iPlayer]

<Benjamin Chapman, Other - Other Academic and General Knowledge> ~24723~ <Editor: Ganon Evans>

2. In a poem, this author prayed to “die in peaceful harbor,” and asked that “if my stay / was vain, let my vanishing, at least, be virtuous.” In a poem in which he moves between “vain hope and vain sadness,” this poet lamented “the world’s delight is a brief dream.” A “Prayer to the Virgin” ends a collection by this author in which he is “captured” by “lovely eyes” on a day when the “sun’s ray / was darkened.” Thomas (\*) Wyatt translated parts of a collection by this author about a woman he had met on Good Friday, which opens “you who hear the sound in scattered rhymes.” For 10 points, the collection *Il Canzoniere* (“cant-zon-YARE-ay”) is by what Italian poet, whose unrequited love for Laura appears in some of his namesake sonnets?

ANSWER: **Petrarch** [or Francesco **Petrarca**; accept **Petrarchan** sonnet]

<Yingzhi Nyang, Literature - European - Poetry> ~25262~ <Editor: Joseph Krol>

3. The position of the sun in this series was based on the paintings’ intended position around Luman Reed’s fireplace. A quote from Bishop Berkeley (“BARK-lee”) was used to advertise this series, whose second painting depicts a boy in blue drawing a soldier with red chalk. In this series’s third painting, a headless statue based on the *Borghese Gladiator* bears the inscription “1836” on its base and looms over a (\*) collapsing bridge. A large boulder atop a mountain is visible in all five paintings of this series, including its final one depicting a ruined column with ivy. This series’ entry *Desolation* follows a painting of a marble city being destroyed. For 10 points, name this series of paintings depicting the rise and fall of a civilization, created by Thomas Cole.

ANSWER: *The Course of Empire*

<Ganon Evans, Fine Arts - Painting - U.S. to 1945> ~25300~ <Editor: Chandler West>

4. The TVGYG motif was discovered in a *Streptomyces A* protein that binds this ion. Proton pumps in the stomach exchange hydrogen for this ion. Transport of this ion through a ball-and-chain voltage-gated channel is impaired in *Shaker* mice. This ion has the highest permeability, concentration, and mass of the three species in the Goldman equation. Diuretics like amiloride “spare” the excretion of this primary intracellular (\*) electrolyte to prevent hypokalemia. This ion floods out of a cell during hyperpolarization, then is pumped back in, two at a time, after the action potential is over. Three-quarters of a neuron’s ATP is used to exchange this ion for sodium. For 10 points, name this elemental ion found naturally in bananas.

ANSWER: potassium [or K+]

<Shahar Schwartz, Science - Biology> ~25446~ <Editor: Adam Silverman>

5. William Forbes-Mitchell’s memoirs of this conflict describe how a female sniper hidden in a tree killed six men, an action still celebrated by the Pasi community. 24 Victoria Crosses were awarded for an action in this conflict in which soldiers breached a villa’s walled garden to relieve a besieged residency. A woman known for dressing in a *sowar* uniform joined this conflict after being targeted by the Doctrine of Lapse. During this conflict, the (\*) Rani of Jhansi defended her princely state. This conflict began after the hanging of Mangal Pandey and included the siege of Lucknow. The rebels in this conflict refused to bite Enfield rifle cartridges greased with pork and cow fat. For 10 points, name this 1857 revolt against the British East India Company.

ANSWER: Sepoy Revolt [or Sepoy Mutiny; or Sepoy Insurrection; or Indian Mutiny; accept Indian Rebellion of 1857 or Revolt of 1857 until “1857” is read; prompt on Great Rebellion; prompt on First War of Independence]

<Yingzhi Nyang, History - World - Asian> ~25298~ <Editor: Jordan Brownstein>

6. *Two answers required.* Because a town did not let these two deities drink at a spring, their mother turns the entire town into frogs. One of these two deities helps Admetus complete King Pelias’s challenge to marry Alcestis, but he loses Alcestis by forgetting an offering to the other. One of these two deities impregnates Coronis and sends the other to kill her after she has an affair with Ischys (“ISS-kiss”). These two deities slay the giant Tityos after he assaults a goddess who was relentlessly pursued by Python, and they kill (\*) Niobe’s children. On the floating island of Delos, one of these deities swears virginity after helping Leto give birth to the other. For 10 points, name these twin Greek deities: one the god of music and the sun, and the other the goddess of hunting and the moon.

ANSWER: Apollo AND Artemis [accept Apollon or Phoebus Apollo in place of Apollo; prompt on Diana for Artemis before "Admetus"; do not accept or prompt on Diana for Artemis after "Admetus"]

<Lalit Maharjan, RMP - Greco-Roman Mythology> ~24773~ <Editor: Jaimie Carlson>

7. The “C60” type of this material induces 60 pounds per square foot of lateral pressure per foot of depth. Values greater than six percent for a quantity abbreviated “COLE” indicate that this material can cause structural damage due to high shrink-swell capacity. The wet thread and shear vane tests measure this material’s strength. Hans Jenny developed a five-factor model for the formation of this substance that includes the mnemonic “CLORPT.” Organic matter is most concentrated in this substance’s (\*) O horizon. This substance undergoes liquefaction under stress from earthquakes, and is prepared for use via tilling. For 10 points, name this material described by a “texture triangle” whose corners are silt, sand, and clay.

ANSWER: soil [prompt on or earth or dirt; accept C60 soil or soil texture triangle or soil horizon]

<Benjamin Chapman, Science - Earth> ~25809~ <Editor: David Bass>

8. An author from this period wondered “how many flowers have fallen” after a night filled with sounds of wind and rain. A work from this period suggests that having daughters is better than having sons who will be buried in the grass. The “Four Paragons” are included in a “Complete” anthology of this period, whose canon was assembled into a book of “Three Hundred” poems from it. Vehicles “rumble and roll” across a bridge at the start of that poem from this period named (\*) “Song of the War Carts.” “Quiet Night Thought,” and a poem whose speaker invites the moon and his shadow to join him titled “Drinking Alone by Moonlight,” are by a poet who lived during this dynasty. For 10 points, name this dynasty during which Dù Fǔ and Lǐ Bái wrote.

ANSWER: **Táng** dynasty [accept **tángshī**; accept *Complete Anthology of Tang Poetry*, *Complete Tang Poems*, or *Quán Tángshī* or *Three Hundred Tang Poems* or **Tángshī sānbǎi shǒu**] (The poet in the first sentence is Meng Haoran.)

<Yingzhi Nyang, Literature - World and Miscellaneous> ~25047~ <Editor: Joseph Krol>

9. These people name both a room designed by Robert Adam for Osterley Park House and Josiah Wedgwood’s factory town in Stoke-on-Trent. These people made a type of dark pottery called *bucchero*. These people introduced a symbol of an axe blade strapped to a bundle of rods to represent power. Dionysius of Halicarnassus argued that these people were natives who took on the influence of Magna Graecia. Priests of these people were the first to be called (\*) haruspices (“huh-RUSS-puh-sees”) and made divinations from sheep entrails. A dynasty named for these people began with the reign of Tarquin the Elder. This people’s stronghold of Veii (“VAY-ee”) fell in 396 BCE to Marcus Furius Camillus, who led a rival city-state on the Tiber. For 10 points, name this pre-Roman culture in Italy.

ANSWER: **Etruscans** [accept **Etruria** or **Etrurian** culture or **Tyrrhenia** or **Tyrrhenian**; prompt on **Italians**]  
<Michael Bentley, History - European - Classical> ~25351~ <Editor: Michael Bentley>

10. A composer from this city wrote five orchestral pieces based on postcards from Peter Altenberg, but only two were performed at its premiere before the audience rioted. Alexander Zemlinsky mainly worked in this city, where he taught a composer who wrote a piece for the unusual ensemble of flute, clarinet, violin, cello, and piano. The Paris riots over *Rite of Spring* were prefigured by riots at a performance in this city called the (\*) *Skandalkonzert*. A composer from this city popularized the sing-speaking technique *Sprechstimme* (“SPREK-shtim-muh”) in pieces like one featuring a monologue by a *commedia dell’arte* character titled *Pierrot lunaire* (“p’yair-OH loo-NAIR”). For 10 points, give this city that names a musical “School” where twelve-tone composition was pioneered by composers like Alban Berg and Arnold Schoenberg (“SHERN-berg”).

ANSWER: **Vienna** [or **Wien**; accept the Second **Viennese** School or *Zweite Wiener Schule*]  
<Ethan Ashbrook, Fine Arts - Music - 1900 to 1970> ~25773~ <Editor: Young Lee>

11. Objects made of this material are engraved with the overlaid letters S and T to indicate a “standard taper.” Silanization makes this material inert by reacting away its surface hydroxyl groups. Chromic acid removes organic residue stuck to this material. Keck clips attach pieces of this material at greased joints where it is ground smooth—for instance, between a Vigreux (“VIG-roo”) distillation column and its (\*) condenser. Impregnating this material with boron trioxide improves its thermal stability. Rubber bulbs are attached to Pasteur pipettes made out of this material, which is often preferred to plastic when working with strong acids and bases. For 10 points, Erlenmeyer flasks and beakers are made out of what fragile material?

ANSWER: **glass** [or borosilicate **glass**; accept Pyrex **glass** or laboratory **glassware**]  
<Adam Silverman, Science - Chemistry> ~25691~ <Editor: Adam Silverman>

**12. John Thatch planned to counteract this practice with his Big Blue Blanket system. This practice began after a “Turkey Shoot” that devastated the IJNAS. This practice often began with a salute to Mount Kaimon by people who were accompanied by fellow operators of Zeros. This practice was derisively committed by so-called “idiots” and was first employed by a “Special Attack Force” at (\*) Leyte Gulf. The wooden deck of the *Bunker Hill* made it more susceptible to this practice than more heavily armored British designs. A series of historical typhoons lend their name to this practice, whose name roughly translates as “divine wind.” For 10 points, name this desperate practice where Japanese pilots would purposefully crash into ships.**

ANSWER: kamikaze attacks [accept tokkōtai; accept tokubetsu kōgekitai before “special attack force” is mentioned; prompt on descriptions of suicide missions; prompt on airplane attacks or air raids or Japanese attacks before “attack” is mentioned]

<Lalit Maharjan, History - Cross, Historiography, and Miscellaneous> ~24958~ <Editor: Michael Bentley>

**13. The setting of one of this author’s novels was inspired by a postcard depicting a building designed by Samuel Bugbee. In a novel by this author, Luke Sanderson rents out a country estate to Dr. Montague, but stays there while Montague uses it for research. That novel by this author ends as Eleanor breaks down and drives into a tree after leaving the title location. In a story by this author, the phrase (\*) “corn be heavy soon” is used to justify a ritual centered around a wooden black box. In that story by this author of *The Haunting of Hill House*, Old Man Warner defends a ceremony that “isn’t fair” and “isn’t right” according to Tessie Hutchinson. For 10 points, name this author of “The Lottery.”**

ANSWER: Shirley Jackson [or Shirley Hardie Jackson]

<Yingzhi Nyang, Literature - American - Short Fiction> ~25578~ <Editor: Chandler West>

**14. A museum dedicated to this place features many photos taken by employee Augustus Frederick Sherman and contains the Bob Hope Memorial Library. Emma Goldman described this place as the “worst dump I ever stayed in” after being imprisoned here in 1919. Special goggles were developed to screen for trachoma at this location. Doctors would surreptitiously draw a chalk “X” on people here suspected of being (\*) “feeble-minded.” Vincent J. Cannato’s book on this place busts the myth that officials here changed people’s surnames. 12 million people passed through this place between 1892 and 1954, more so than through Angel Island in San Francisco. For 10 points, name this place where immigrants were processed in New York.**

ANSWER: Ellis Island [accept answers like the immigrant reception hall at Ellis Island or Ellis Island Immigrant Hospital; prompt on New York City or New Jersey]

<Michael Bentley, History - American - 1865-1945> ~23885~ <Editor: Michael Bentley>

**15. In an uncredited role in a Great Depression–era comedy in this genre, Etta Moten demands that the audience “remember my forgotten man.” In a pre-code film considered the first modern film in this genre, Busby Berkeley’s camera moves between the legs of dozens of women. Audrey Hepburn wore an iconic black polo neck as Jo Stockton in a film in this genre titled *Funny Face*. Alan (\*) Menken worked on many animated films in this genre during a company’s 1990s “Renaissance,” including one whose main character declares, “I want adventure in the great wide somewhere.” One of MGM’s films in this genre that stars Judy Garland debuted “Have Yourself a Merry Little Christmas” and was titled *Meet Me in St. Louis*. For 10 points, name this genre of films such as *Oklahoma!* and *Beauty and the Beast*.**

ANSWER: movie musicals [or Hollywood musicals; or Disney musicals; prompt on Disney film] (The film in the first clue is *Gold Diggers of 1933*. The film in the second clue is *42nd Street*.)

<Michael Bentley, Fine Arts - Film> ~26099~ <Editor: Young Lee>

Note to moderator: read answer carefully. 16. Description acceptable. Bootleg merchandise featuring the phrase “Number 600” was sold during a “silent mode” period of this policy in a city where the song “Steamed Egg with Clams” went viral on NetEase. This policy is officially known as “Dynamic Clearing” and has been opposed by students wielding copies of the Friedmann Equations. Protests against this policy began after at least 10 people were killed in an apartment fire in (\*) Ürümqi (“oo-ROOM-chee”). In November 2022, some people held up blank pieces of A4 printer paper to oppose this policy. This policy generally required a PCR test every 72 hours to go out. For 10 points, name this strict policy that sought to contain the outbreak of a novel pathogen in a country led by Xi Jinping.

ANSWER: China’s zero-Covid policies [or Find, Test, Trace, Isolate, and Support; or FTTIS; accept dòngtài qīng líng; or COVID-zero; accept anything involving China’s harsh Covid lockdown policy or or zero-COVID in the People’s Republic of China; accept Xi Jinping’s Covid policy before “Xi Jinping”; accept Dynamic Clearing or Dynamic Clearance before “Dynamic Clearing”; prompt on zero-Covid with “in what country?”; prompt on China’s Covid policy; prompt on quarantine; prompt on contact tracing]  
<Michael Bentley, Current Events - World> ~25350~ <Editor: Ganon Evans>

17. An essay describes how a community in this country initiates hostility called *puik* when someone takes an action called *mpura* (“mm-poo-rah”), translated as “pardon me.” Marginality in communities in this country is the subject of Anna Tsing’s book *In the Realm of the Diamond Queen*. An anthropologist who mostly worked in this country compared its religious development to Morocco’s in the book (\*) *Islam Observed*. It’s not China, but the type specimen for *Homo erectus* was discovered in this country. “Thick description” is used in an essay set in this country describing the “webs of significance” around cockfighting. For 10 points, Clifford Geertz’s essay “Deep Play” is about customs in what country, the discovery site of Java Man?

ANSWER: Indonesia [or Republic of Indonesia; or Republik Indonesia]  
<Ethan Ashbrook, Social Science - Anthropology> ~25430~ <Editor: Athena Kern>

18. This physicist names a rotationally symmetric potential energy whose graph resembles a “Mexican hat” when it features a non-minimum metastable point at zero. That system named for this physicist induces spontaneous symmetry breaking in electroweak theory. A July 4th discovery by the ATLAS and CMS experiments corroborated theoretical work pioneered by this scientist. This physicist’s (\*) “mechanism” generates mass for particles denoted W-plus, W-minus, and Z-naught. François Englert and this physicist shared the 2013 Nobel Prize upon the discovery of this physicist’s namesake particle at the Large Hadron Collider. For 10 points, identify this physicist who names the “God particle,” a boson discovered in 2012.

ANSWER: Peter Higgs [or Peter Ware Higgs; accept Higgs field or Higgs mechanism or Higgs boson]  
<Lalit Maharjan, Science - Physics> ~24969~ <Editor: David Bass>

19. Description acceptable. One character seeks to turn this place into a “commonwealth” without riches or poverty, but some others suspect “he would be king on it.” This place has the music of a “thousand twangling instruments,” and is “full of noises, / Sounds and sweet airs.” One character tries to overthrow a colonizer of this place with a butler and a jester, but they all get drunk. “Beauteous” visitors to this place cause a character to marvel at a (\*) “brave new world.” When leaving this place, a usurped duke gives up all the “art” he had previously used to subdue its magical inhabitants. After meeting in this place after a shipwreck, Ferdinand and Miranda marry. For 10 points, name this setting of a William Shakespeare play, from which Prospero conjures a storm.

ANSWER: the isle from *The Tempest* [accept equivalents like the island from *The Tempest*; accept Prospero’s island before “Prospero” is read; prompt on an island or isle with “From what work?”; reject “*The Tempest*”]  
<Yingzhi Nyang, Literature - British - Drama> ~25601~ <Editor: Jaimie Carlson>

**20. According to legend, a father’s pronunciation of these things was corrected by a fetus who spoke of the womb and was thus cursed to be born deformed. These texts are contrasted with “that which is remembered” and are called “that which is heard.” Rituals and their metaphysical significance are discussed in a portion of these texts that is known as the “wilderness texts.” “Shakhas” (“SHUH-kuhs”), or (\*) theological sects, focus on learning a specific text of their second portion, the Brahmanas. These texts include the *Atharva* (“UH-thur-VUH”), *Sama* (“SAH-muh”), and *Yajur* (“YAH-joor”). The Upanishads (“oo-PAH-nee-shahdz”) are found at the end of these texts and are commentaries upon them. For 10 points, name these scriptures of Hinduism, the oldest of which is the Rig.**

ANSWER: the Vedas [accept Atharva Veda or Sama Veda or Yajur Veda or Rig Veda]

<Sudheer Potru, RMP - Hinduism> ~25604~ <Editor: Athena Kern>

**21. Nichola Fletcher wrote a book titled for an asbestos tablecloth this monarch threw into the fire at the end of feasts. This ruler may have been motivated to relieve an ongoing famine in ordering the construction of a canal between the Danube and Rhine. This European received Abul Abaz, a pet elephant, as a gift. The Palatine Chapel constructed by this monarch is the centerpiece of (\*) Aachen (“AH-khen”) Cathedral. This ruler’s court attracted the biographer Einhard. This ruler was given an Iron Crown after successfully besieging Pavia, making him King of the Lombards. Pope Leo III crowned this man Emperor of the Romans on Christmas Day in the year 800 CE. For 10 points, name this King of the Franks, a “great” Carolingian.**

ANSWER: Charlemagne [or Charles the Great; or Carolus Magnus; or Karl der Große; or Charles le Grand; prompt on Charles]

<Michael Bentley, History - European - Middle Ages> ~25929~ <Editor: Michael Bentley>

## NSC 2023 - Round 06 - Bonuses

1. This author first published his 2022 novel *The Pole* in Spanish in order “to resist the hegemony of the English language.” For 10 points each:

[10m] Name this author whose narrator often uses French words in describing the downfall of Professor David Lurie in his novel *Disgrace*.

ANSWER: J. M. Coetzee (“koot-seh”) [or John Maxwell Coetzee]

[10e] Coetzee has taught academic workshops on this process, by which Coetzee has rendered several Afrikaans works accessible to English readers.

ANSWER: literary translation [accept translating a book into English; accept being a translator; accept translate]

[10h] Coetzee has yet to publish the English original of his Spanish-translated *Seven Moral Tales*, five of which are narrated by this character. This recurring Coetzee character is the author of the fictional novel *The House on Eccles Street*.

ANSWER: Elizabeth Costello [accept either underlined]

<Joseph Krol, Literature - World and Miscellaneous> ~20307~ <Editor: Joseph Krol>

2. By promoting a valence electron to a higher azimuthal quantum number, the sulfur atom in sulfur tetrafluoride unexpectedly adopts this hybridization. For 10 points each:

[10h] Name this orbital hybridization that’s also adopted by the phosphorus atom in phosphorus pentachloride.

ANSWER: sp<sup>3</sup>d (“s p three d”) [or sp<sup>3</sup>d<sup>1</sup>; reject “sp<sup>3</sup>” or “sp<sup>3</sup>d<sup>2</sup>”]

[10m] Phosphorus and sulfur can form hybrid orbitals with 3d character even though their valence electrons occupy this lower-energy subshell. Your answer should include a number and a letter.

ANSWER: 3p subshell [accept p<sub>3</sub>; prompt on 3 or p alone]

[10e] Sulfur’s hypervalency in SF<sub>4</sub> (“S F four”) is indicated by a lone pair and four bonding pairs on one of these “dot” diagrams named for the American chemist who formalized valence bond theory.

ANSWER: Lewis diagram [or Lewis structure; or Lewis dot diagram; accept Gilbert Newton (G.N.) Lewis]

<Adam Silverman, Science - Chemistry> ~20791~ <Editor: Adam Silverman>

3. One type of this ingredient became the base for North Carolina’s Eastern Style of barbecue after German pitmasters in Lexington began using tomato. For 10 points each:

[10e] Name this ingredient, an acetic acid solution. In Modena, Italy, crushed grape must is used to produce a type called “balsamic”.

ANSWER: vinegar [accept balsamic vinegar; accept apple cider vinegar]

[10m] This state’s pork barbecue is named for large underground ovens. Loco Moco is a dish from this state, where plate lunches developed from Japanese bento boxes.

ANSWER: Hawaii [accept Hawaiian food]

[10h] Burnt ends are brisket trimmings that accompany Henry Perry’s signature sweet barbecue style from this city. Cheesy corn hails from this city, where the hungry visit restaurants in its Power and Light district.

ANSWER: Kansas City

<Ganon Evans, Geography - United States> ~20864~ <Editor: Ganon Evans>

4. Johanna disguises herself as a boy to work as this man's apprentice after his last apprentice, Tobias, is sent to the madhouse. For 10 points each:

[10h] Name this fictional character, who was introduced in the penny dreadful *The String of Pearls*. This man is hated by the dog Hector, and his crimes are revealed by Johanna's lover Mark.

ANSWER: **Sweeney Todd** [accept either underlined]

[10e] Penny dreadful publisher Edward Lloyd popularized Sweeney Todd and published knock-offs of this author's books like *Martin Guzzlewit*, *Nickelas Nicklebery*, and *Oliver Twiss*.

ANSWER: Charles **Dickens**

[10m] Lloyd pumped out his penny dreadfuls from the old house of this author whose epistolary novels include *Clarissa*. In his time, this author's own work was parodied by Henry Fielding's *Shamela*.

ANSWER: Samuel **Richardson**

<Jaimie Carlson, Literature - British - Long Fiction> ~20937~ <Editor: Jaimie Carlson>

5. During these riots, protestors formed a kick line to the tune of the *Howdy Doody* theme song. For 10 points each:

[10e] Name these 1969 riots at a New York City gay bar whose date is the basis for Pride Month.

ANSWER: **Stonewall** riots [or **Stonewall** uprising; or **Stonewall** rebellion]

[10h] The Stonewall riots were unfavorably covered by this newspaper, whose offices were across the street. Norman Mailer co-founded this newspaper, which pioneered free alternative weekly news.

ANSWER: *The Village Voice*

[10m] The idea of a separatist "Stonewall Nation" community was floated at a gay liberation conference in this city. Mario Savio's "Bodies Upon the Gears" speech was given at Sproul Hall during the Free Speech protests in this California city.

ANSWER: **Berkeley**

<Quynh Phung, History - American - 1945+> ~20532~ <Editor: Michael Bentley>

6. David Henry Hwang's play *Yellow Face* was inspired by backlash to the casting for *Miss Saigon*, a musical based on this opera. For 10 points each:

[10e] Name this Giacomo Puccini opera that inspired another Hwang play in which a French servant dresses in a kimono and stabs himself.

ANSWER: **Madame Butterfly** [or **Madama Butterfly**; prompt on *M. Butterfly*]

[10m] Asian actors in whiteface appear in Hwang's play *Soft Power*, which twists this Rodgers and Hammerstein musical. This musical features the duet "Shall We Dance" between Anna and Mongkut.

ANSWER: *The King and I*

[10h] Hwang wrote the libretto for a 2014 opera about the suicide of one of these people named Danny Chen. Eight high Cs appear in the aria "Ah! mes amis" ("MEZ ah-ME") in which Tonio announces he has become one of these people in a Donizetti opera.

ANSWER: **soldiers** [accept **military** personnel; accept *An American Soldier*; prompt on **guards**] (The Donizetti opera is *La fille du régiment*.)

<Ganon Evans, Fine Arts - Miscellaneous> ~20862~ <Editor: Young Lee>



7. Sir Charles Wetherell gave such an impassioned House of Commons speech against granting these people new rights that his suspenders burst and his trousers fell off. For 10 points each:

[10m] Name these people. A 1778 act granting these people more rights was a cause of the Gordon Riots against them.

ANSWER: Roman **Catholics** [accept **Papists** or English **Catholics** or British **Catholics**; reject “Christians”]

[10h] The Gordon Riots were partially put down by this London police force. The blind Sir John Fielding led this first police force in the city for almost thirty years.

ANSWER: **Bow Street Runners**

[10e] A century and a half earlier, this Catholic joined Robert Catesby’s 1605 plot to blow up the House of Lords. This man now names a “night” celebrated each November 5th.

ANSWER: Guy **Fawkes** [or Guido **Fawkes**; accept Guy **Fawkes** Night; prompt on **Guy**]

<Michael Bentley, History - European - 1500-1900> ~19804~ <Editor: Michael Bentley>

8. A fable written in this language by August Schleicher was repeatedly revised as efforts to reconstruct this language progressed. For 10 points each:

[10m] Name this language that is the hypothetical common ancestor of Sanskrit, Greek and Latin, among others.

ANSWER: **Proto-Indo-European** [or **PIE**; reject “Indo-European”]

[10e] Proto-Indo-European and its immediate successors classified nouns into three of these categories: masculine, feminine, and neuter.

ANSWER: grammatical **genders**

[10h] Proto-Indo-European also originated these verbs which link the subject of a sentence to a subject complement. Examples of these “linking verbs” in English include “to be.”

ANSWER: **copular** verbs [or **copulae**]

<Yingzhi Nyang, Social Science - Linguistics> ~20486~ <Editor: Athena Kern>

9. Deuterium–protium ratios in water found on these objects, especially 103P/Hartley, are notably similar to that of the Earth’s oceans. For 10 points each:

[10m] Name these astronomical objects studied by the *Deep Impact* probe.

ANSWER: **comets**

[10e] While long-period comets originate from the Oort Cloud, short-period comets originate from this region. The dwarf planet Orcus is in this region, which extends from 30 to 50 AU from the Sun.

ANSWER: **Kuiper belt** (“**KYE-per belt**”)

[10h] The comet 67P/Churyumov–Gerasimenko, which originates from the Kuiper belt, emits water vapor with a zero-point-five percent concentration of this compound. This compound was the first polyatomic organic molecule to be detected in the interstellar medium.

ANSWER: interstellar **formaldehyde** [or **H<sub>2</sub>CO**]

<Michael Bentley, Science - Astronomy> ~18597~ <Editor: David Bass>

10. Boarding school students in this country fear the ghost of Miss Caroline, a teacher whose spirit is called Madam Koi Koi after the noise made by her red high heels. For 10 points each:

[10h] Name this modern-day country haunted by ghosts such as phantom children called *abiku* and *ogbanje*.

ANSWER: **Nigeria** [or the Federal Republic of **Nigeria**]

[10e] In another Nigerian boarding school ghost story, the student Oroma reveals that her hairstyles are always so good because she had this quality. Ichabod Crane is pursued by a horseman with this quality.

ANSWER: **headless** [accept equivalents such as being **decapitated** or not having a **head**; accept descriptions relating to being able to **detach** their **head** and carry it around]

[10m] Nigerian students may trade stories of Mami Wata, who is often described as one of these creatures. In an 1837 fairy tale, one of these creatures dies and turns to seafoam before becoming a sylph.

ANSWER: **mermaids** [accept **merfolk** or **mermen**; accept The Little **Mermaid**]

<Jaimie Carlson, RMP - World Mythology> ~20950~ <Editor: Ganon Evans>

11. This poem was first published in 1581 without its author's permission while he was in the mental institution of Saint Anna. For 10 points each:

[10h] Name this epic poem in which the witch Armida takes Rinaldo to a magical island, where he forgets about the First Crusade.

ANSWER: ***Jerusalem Delivered*** [or *La Gerusalemme liberata* or *The Liberation of Jerusalem*]

[10e] Jerusalem is said to lie at the opposite point of the globe to Mount Purgatory in this Dante poem, whose three sections are the *Inferno*, the *Purgatorio*, and the *Paradiso*.

ANSWER: The ***Divine Comedy*** [or *La Divina Commedia*]

[10m] Torquato Tasso's ("tor-QUAH-toh TASS-oh'z") poem *Jerusalem Delivered* is divided into these subsections. The *Divine Comedy* contains 100 of these subsections.

ANSWER: **cantos** [or **canti**; prompt on **songs**]

<Joseph Krol, Literature - European - Poetry> ~12552~ <Editor: Joseph Krol>

12. In December 2022, Hamline University fired a professor who showed Rashid al-Din Tabib's depiction of this figure receiving an angel. For 10 points each:

[10e] Name this figure who often appears covered by a veil in Shia artwork, though Sunnis largely denounce any depiction of him.

ANSWER: **Muhammad**

[10h] Muhammad is often depicted inside a flame instead of with one of these things. Byzantine donors were depicted with square examples of these things that contained a cross when associated with the Trinity.

ANSWER: **halos** [or **nimbus**; or **glory**; or **gloriole**; prompt on **aureole** or **aureola**; prompt on **mandorla**]

[10m] Muhammad's name in geometric Kufic script often appears on these objects that are arranged in *zellij* or *moraq* artworks. *Girih* examples of these objects include a decagon and hexagon.

ANSWER: **tiles** [or word forms such as **tiling**; prompt on **mosaics** by asking "What are they made from?"]

<Ganon Evans, Fine Arts - Painting - World> ~20802~ <Editor: Chandler West>

13. The "plasticity" of this factor allows adaptation much faster than evolution by natural selection, which is useful for species to adapt to changing global temperatures. For 10 points each:

[10e] Name this term for the outward observed characteristics of an organism that are caused by genetic variation.

ANSWER: **phenotype** [or **phenotypic** plasticity]

[10h] Phenotypic plasticity explains how the *pulex* and *magna* model species in this crustacean genus of water fleas have adapted to warmer seawater.

ANSWER: ***Daphnia*** [or ***Daphnia pulex*** or ***Daphnia magna***]

[10m] *Description acceptable*. This population-level metric is a temperature-dependent plastic trait in reptiles like crocodiles and turtles. *Wolbachia* ("woll-BOCK-ee-uh") infection skews this measurement away from one in insect populations.

ANSWER: **sex ratio** [or the relative **number** of **males** and **females**; accept obvious equivalents]

<Adam Silverman, Science - Biology> ~20898~ <Editor: Adam Silverman>

14. The “Aretaic turn” marked a 20th-century revival of interest in a branch of ethics named for these things.

For 10 points each:

[10m] Name these things that, according to *Nicomachean Ethics*, are a golden mean between excess and deficiency.

ANSWER: **virtues** [accept moral **virtues** or **virtue** ethics; prompt on **arete**]

[10e] This ancient Greek philosopher described his theory of moral virtues in *Nicomachean Ethics*, which was compiled from his lectures at the Lyceum.

ANSWER: **Aristotle**

[10h] This 20th-century philosopher helped renew interest in Aristotelian ethics with the essay “Modern Moral Philosophy.” This philosopher coined the term “consequentialism.”

ANSWER: G. E. M. **Anscombe** [or Elizabeth **Anscombe** or Gertrude Elizabeth Margaret **Anscombe**]

<Anuttam Ramji, RMP - Philosophy> ~20122~ <Editor: Jordan Brownstein>

15. A ban on plays during this war was flouted by a performance of Joseph Addison’s play *Cato*. For 10 points each:

[10e] Name this war whose stage depictions include most of the first act of the musical *Hamilton*.

ANSWER: American **Revolution** [accept American **Revolutionary** War or **American** War of **Independence** or **U.S.** War of **Independence**]

[10m] During the Revolution, an elaborate theatrical production was performed at the Mischianza (“miss-kee-AN-za”) fête (“FET”) in this state, which is the setting of a ten-play cycle which includes the historical plays *Gem of the Ocean* and *Joe Turner’s Come and Gone*.

ANSWER: **Pennsylvania** [or **PA**] (The latter plays are from August Wilson’s *Pittsburgh Cycle*.)

[10h] This author used Valley Forge as the setting of one of his plays. This author also wrote *Both Your Houses* and a verse drama drawing on the Sacco and Vanzetti trial titled *Winterset*.

ANSWER: Maxwell **Anderson**

<Joseph Krol, Literature - American - Drama> ~20489~ <Editor: Chandler West>

16. Cities that surrendered to the Ottomans without a fight were often exempt from providing the children who became these soldiers. For 10 points each:

[10e] Name these elite soldiers originally recruited through the *devşirme* (“dev-SHEER-may”) system.

ANSWER: **janissaries**

[10m] A janissary charge was key in the Ottoman victory at this 1526 battle. Louis II was killed at this battle, which resulted in the Ottomans gaining control over much of the former Kingdom of Hungary.

ANSWER: Battle of **Mohács** (“MO-hotch”)

[10h] A group of janissaries known as Dahije massacred over 70 nobles in this modern-day country as part of the Slaughter of the Knezes. A peasant from this country launched a revolt against the Ottomans on Palm Sunday in 1815 and was eventually elected as Prince Miloš I.

ANSWER: **Serbia** [or Republic of **Serbia**]

<Michael Bentley, History - World - Middle Eastern> ~19033~ <Editor: Jordan Brownstein>

17. This song opens with the accompaniment playing the descending melody (read slowly) “E-flat, D, C, G, E-flat, short D, C.” For 10 points each:

[10h] Name this song titled for the words the singer writes on the gate of his lover’s home as he passes by. Like other songs in its song cycle, such as “The Signpost” and “The Hurdy-Gurdy Man,” this song’s lyrics come from a Wilhelm Müller poem.

ANSWER: “**Gute Nacht**” [or “**Good Night**”]

[10m] “Gute Nacht” opens this cycle of 24 lieder by Schubert, the second song cycle he wrote based on Müller poems.

ANSWER: **Winterreise** (“VIN-ter-RYE-zuh”) [or **Winter Journey**]

[10e] Schubert also wrote a piece in this genre that only includes two complete movements and is thus nicknamed “Unfinished.”

ANSWER: **symphony** [accept *Unfinished Symphony*]

<Young Lee, Fine Arts - Music - Romantic> ~20957~ <Editor: Young Lee>

18. Before performing this action, Jesus declares, “You do not realize what I am doing, but later you will understand.” For 10 points each:

[10m] Name this action that Jesus performed on his disciples prior to the Passover Festival as told in John 13 (“chapter 13”).

ANSWER: **washing** the disciple’s **feet** [accept equivalents like **foot washing** or other answers involving cleaning the **feet** with **water**; prompt on **washing** or **ablution** or cleaning with “Washing what?”]

[10e] The Washing of the Feet is a common ritual on a “Maundy” holiday that falls on this day of the week. This day of the week comes *before* a “Good” holiday that commemorates Jesus’s crucifixion.

ANSWER: **Thursday** [accept Maundy **Thursday** or Holy **Thursday**]

[10h] On Holy Wednesday, Eastern Orthodox services contrast Judas with a sinful woman who performs this action on Jesus and then uses her tears to wash his feet. Matthew 26 (“chapter 26”) relates how the disciples were initially indignant about the “waste” of performing this action.

ANSWER: pours expensive **perfume** on Jesus [accept any answer involving spraying **perfume** on Jesus or anointing Jesus with perfume; prompt on **anointing** or other nonspecific answers with “With what?”]

<Michael Bentley, RMP - Christian Practice> ~18731~ <Editor: Athena Kern>

19. Almost 25% of the population of Barbados was sent to work on this project. For 10 points each:

[10m] Name this project completed in 1914. It’s not in Florida or Cuba, but US Army physician William C. Gorgas helped save lives on this project with an anti-mosquito campaign.

ANSWER: **Panama Canal** [accept anything along the lines of the building of the **Panama Canal**; prompt on **canal** building]

[10e] To build the Panama Canal, the US supported Panama’s independence from this country in the early 20th century. Simón Bolívar led a “Gran” country of this name.

ANSWER: **Colombia** [or Republic of **Colombia**; accept Gran **Colombia**]

[10h] The US agreed to cede control of the Panama Canal in two 1977 treaties signed by Jimmy Carter and this “Maximum Leader of the Panamanian Revolution.”

ANSWER: Omar **Torrijos** (“torr-EE-hoes”)[or Omar Efraín **Torrijos** Herrera; accept **Torrijos**-Carter Treaties]

<Michael Bentley, History - Cross, Historiography, and Miscellaneous> ~20808~ <Editor: Michael Bentley>

20. In a version of RBMK reactors, these objects counterintuitively added reactivity when they were used for scrambling. For 10 points each:

[10m] Name these objects in nuclear reactors whose height is adjusted in a negative feedback loop that can feature graphite displacer and boron carbide neutron absorber portions.

ANSWER: **control rods**

[10h] Control rods and neutron poisons are used for their high values of the “neutron absorbing” form of this quantity. This quantity for two particles is the area of the region within which they must meet in order to scatter.

ANSWER: **cross section** [prompt on sigma; reject “cross sectional area”]

[10e] Absorption of neutrons helps to control the rate of the chain reaction of this nuclear reaction that is central to the activity of nuclear reactors.

ANSWER: nuclear **fission**

<Lalit Maharjan, Science - Physics> ~20711~ <Editor: David Bass>

21. The 2018 FOSTA-SESTA legislation added an exception to this statute to guarantee it could not be used to impede prosecution for facilitating sex trafficking. For 10 points each:

[10h] Name this numbered section of the Communications Decency Act, which states that Internet service providers cannot be held liable for statements users make on the service.

ANSWER: Section **230**

[10e] The Supreme Court’s 2023 docket included the case “Gonzalez v. [this company]” which concerned liability for algorithm-generated content promoting terrorism on this company’s platform YouTube.

ANSWER: **Google** LLC [accept **Alphabet**; accept *Gonzalez v. Google*]

[10m] In May 2023 testimony, this company’s CEO Sam Altman argued that Section 230 would not protect their products. Google’s Bard and Facebook’s LLaMa are competitors to a 2022 product by this company.

ANSWER: **OpenAI** (The product is ChatGPT.)

<Benjamin Chapman, Current Events - U.S.> ~21019~ <Editor: Ganon Evans>