

ILLIAC -- ILLinois Academic Competition -- Round 14

1. **In 1968, Moussa Traoré (*MOO-sah tra-OH-ray*) overthrew this country's previous government and declared a military regime on "Liberation Day." Borgnis-Desbordes (*BOR-nee day-BORED*) established this country's fort of Kayes in 1881. A medieval state centered around this modern-day country was governed by the gbara (*bara* or *gara*) assembly and was home to centers of (*) learning such as Sankore (*sahn-core*) University. In 1235, Soumaoro Kanté (*soo-mao-roh kahn-tay*) was defeated in this modern-day country at the battle of Kirina by Mandinka leader Sundiata Keita (*sun-dee-ah-ta kay-ta*). For 10 points, name this West African nation named after an empire ruled by Mansa Musa.**
ANSWER: **Mali** [accept Republic of **Mali**; accept Republique du **Mali**; accept **Mali** ka Fasojamana] (the "twelve lands" are the "Twelve Doors of Mali")

< Jonathan Lau | *Non-European, Non-Commonwealth History* >

2. **One novel by this author ends with the protagonist crying during the funeral of a man he doesn't know. After getting in a car accident, the protagonist of another novel by this author is arrested when police find his father's revolver in the car. The Heraclitus loving title character of a third novel by this author moves to Mexico with the owner of the (*) eagle Caligula.** This author wrote about Tommy Wilhelm in *Seize the Day* and created a character who fights over the custody of his daughter June with his ex-wife Madeleine in *Herzog*. This author created a title character who begins a novel by stating "I am an American, Chicago born." For 10 points, name this author of *The Adventures of Augie March*.

ANSWER: Saul **Bellow** [or Solomon **Bellows**]

< Mitch McCullar | *Long-form Literature* >

3. **Heat and addition of protons allow enediynes to undergo a cyclization reaction named for Bergman to achieve a product with this property. Molecules with this property will deshield nearby protons in NMR because they exhibit a diamagnetic ring current. Aligning of two cyclic molecules with this property results in (*) pi-pi stacking.** Cyclooctatetraene *does not* have this property due to its tub-shape though its dianion is anti-[this property]. Compounds with this property are cyclic, planar and have four n plus two pi electrons in a conjugated system according to Huckel's rule. For 10 points, name this property of delocalized pi electrons, associated with pleasant smelling chemicals.

ANSWER: **aromatic** [or **aromaticity**]

< Mike Etkorn | *Chemistry* >

4. **Some traditions practice a "Kneeling Prayer" on this holiday where participants touch their foreheads to the floor since genuflection is not allowed in the period before this holiday. During this holiday, some congregations are given red handkerchiefs to wave as a figure descends from a hole in the ceiling. Churches can be decorated with greenery and/or (*) rose petals during this holiday whose hymns include the "Veni Creator Spiritus."** This holiday, which coincides with Shavuot, names a Charismatic sect famous for spiritual healing and speaking in tongues. For 10 points, name this holiday celebrating the arrival of the Holy Spirit, occurring fifty days after Easter.

ANSWER: **Pentecost** [accept **Whitsunday**]

< Ethan Ashbrook | *Religion* >

5. In the lower right of a work of this name, a putti grabs onto the pectoral fin of a black dolphin while another putti jockeys said dolphin and looks up at the main scene. Thirteen cherubs appear flying in the background of William-Adolphe Bouguereau (*boo-guh-ROH*)’s version of this scene. The Uffizi gallery houses a painting of this scene where the central figure stands in the (*) pudica pose. In that painting of this scene, pink roses blow through the air as Cloris holds on to a wind god. The Hora of Spring and Zephyr appear in Sandro Botticelli’s rendition of this scene. For 10 points, name this scene depicting the creation of the Roman goddess of love.

ANSWER: Birth of Venus [accept Nascita di Venere; accept Venus Anadyomene]

< Iain Carpenter | *Painting and Sculpture* >

6. One work written by this author ends after a Bombay law student draws back a curtain and steps into a room containing the title figure. Another story by this author ends with a character realizing he is created by being dreamt of. In a different story by this author, Red Scharlach set a trap for a detective by mapping killings to the (*) pattern of the Tetragrammaton. This author of “The Approach to al-Mu’tasim” wrote a story about Carlos Danieri finding a spot in his cellar that shows every point in the universe. For 10 points, name this Argentinian author whose stories “The Circular Ruins,” “Death and the Compass,” and “The Aleph” are collected in *Ficciones*.

ANSWER: Jorge Luis Borges

< Mitch McCullar | *Short Fiction* >

7. The decay of this particle is mediated by X and Y bosons in the Georgi-Glashow model. A 2010 experiment by Pohl et. al used muons to more accurately calculate this particle’s charge radius. This particle’s anti-particle was discovered at the Bevatron collider in 1955. Andrei Sakharov theorized that this particle would decay into a (*) neutral pion and positron. In positron emission, this particle releases a positron and electron neutrino to become a neutron. This baryon consist of two up-quarks and one down-quark. For 10 points, name this positively charged particle paired with neutrons in the atomic nucleus.

ANSWER: protons

< Dylan Bowman | *Physics* >

8. One group of people attacked during this event fled into the Dragon Swamp under the leadership of Cockacoeske. The target of this event owned the Green Spring Plantation and, in its aftermath, executed William Drummond, the governor of the Albemarle Sound Colony. The perpetrators of this event issued a “Declaration of the People” that listed grievances such as high taxes and favorable (*) treatment of Native Americans. This rebellion fizzled out under John Ingram’s leadership after its leader died of dysentery. The indentured servitude system was largely replaced with African slavery following this rebellion. For 10 points, name this 1676 uprising against Governor James Berkeley that included the burning of Jamestown.

ANSWER: Bacon’s Rebellion

< Jonathan Lau | *US History* >

9. Alfred Radcliffe-Brown identified four types of societies in this country such as the Kareira and Mara systems, though the Murngin system became the most prevalent; that system was named after this country's Yolngu people. F.J. Gillen's observations of marriage in this country provided the basis for Claude Levi-Strauss' theories in *The Elementary Structures of Kinship*. Some native groups in this country practiced a type of agriculture known as (*) firestick farming. Research from the rituals of this country led to most of the original anthropological theories on totemism. For 10 points, name this country, home to Uluru or Ayers Rock, which is worshipped by the Aborigines.

ANSWER: Commonwealth of **Australia**

< Ethan Ashbrook | *Social Science* >

10. A city on this body of water lies at the head of a bay called the Zolotoy Rog for its resemblance to the Golden Horn in Istanbul; that city on this body of water also contains the Russky Bridge, the third tallest bridge and longest stay-cabled bridge in the world. Another city on this body of water is known as the "City of Iron" and contains re-education camps 12 and 25. This body of water separates (*) Primorsky Krai from Sakhalin Oblast. The Tumen River flows into this sea that is home to the oil-rich Liancourt Rocks, which are claimed by three countries. For 10 points, name this peripheral sea of the Pacific basin that lies between the Korean peninsula, Russia, and Japan.

ANSWER: **Sea of Japan** [accept **East Sea**; accept **East Sea** of Korea; accept nationalistic answers:

Nihon kai; joseon **donghae**; **Yaponskoye more**; **Riben Hai**]

< Jonathan Lau | *Misc - Geography* >

11. One cell in this tissue contains Birbeck granules and migrates to the lymph nodes in its histiocytosis. The toxic necrosis of this tissue is often paired with Stevens-Johnson syndrome. German anatomist Friedrich Merkel proposed the name *Tastzellen* for receptors in this tissue that now bear his name. Langerhans cells patrol this tissue for debris. The mnemonic (*) "Come, Let's Get Sunburned" is used to remember the layers of this tissue which includes the stratum lucidum and the stratum corneum. 90% of the cells in this tissue are keratinocytes, and this tissue gets its characteristic coloration from melanocytes producing melanin. For 10 points, name this outermost layer of the skin, above the dermis.

ANSWER: **epidermis** [accept **epidermal** layer; prompt on **skin**; do not accept or prompt on "dermis"]

< Michael Etkorn | *Biology* >

12. This author wrote a travelogue detailing his visit to the Bandung Conference in *The Color Curtain*. The title character of one work by this author forges a note from Mr. Falk to check out a book by H.L. Mencken. This author wrote a book that ends after the title character is beaten up during a May Day Parade and kicked out of the (*) communist party. A novel by this author that describes Charlie's Kitchen Shack was criticized in the essay "Everybody's Protest Novel" by James Baldwin. This author of the autobiographical novel *Black Boy* wrote a novel about the trial of the protagonist for the murder of Mary Dalton. For 10 points, name this author who wrote about Bigger Thomas in *Native Son*.

ANSWER: Richard (Nathaniel) **Wright**

< Mitch McCullar | *Misc Literature* >

13. In one opera from this country, Colin and Colette reaffirm their love by visiting the village soothsayer. Another opera from this country features an aria sung by Telaira to Phoebe after the death of one of the title twins. The music of those operas exemplified this country's style in the War of the Buffoons against the *opera buffa* of Italy. One 18th-century opera from this country is about (*) Castor and Pollux, while another opera from this country uses a St. Francis sermon to express the composer's love for birds. This country's Palais Royal (*pah-lay roh-yahl*) was home to the premieres of many *tragédies en musique* (*trah-jay-dees on moo-zeek*). For 10 points, name this country where Jean-Philippe Rameau, Jean-Jacques Rousseau, and Olivier Messiaen all lived.

ANSWER: **France** [accept **French Republic**]

< Bryan Lu | *Music* >

14. This ruler bolstered Catholic rule in France with his signing of the Treaty of Joinville. This non-English king was ruler at the time when Francis Bacon helped spread the idea of an "Empire on which the sun never sets" after the incorporation of Portugal into this man's empire. The Duke of Alba led a purging of Calvinist nobles with the creation of the (*) Council of Blood in support of this king. A number of city ransackings during this ruler's reign after the Dutch Revolt -- including the siege of Antwerp -- were collectively known as the "Spanish Fury." This monarch ruled with "Bloody" Mary I of England and was known as "the prudent." For 10 points, name this Spanish king whose Armada was trounced by the English in 1588.

ANSWER: **Philip II** of Spain [accept **Filippo II**; accept **Philip I of Naples**; accept **Philip I of Portugal**; prompt on **Philip**; prompt on **Philip the Prudent**; do not accept or prompt on "Philip II of England"]

< Michael Etzkorn | *Continental Europe* >

15. One section in this work discusses how an infant can cry all day without its throat growing hoarse and compares people who have adopted the title concept with infants. This work's opening section creates a term describing everything subtle and wonderful known as "the Mystery." A third section of this work argues that things that don't exist are useful, such as the (*) spaces between the spokes of a wheel. The author of this 81-section text argues for attaining virtue and wisdom via inaction -- a philosophy known as *wu wei*. For 10 points, name this text by Laozi about a concept often translated as "the way."

ANSWER: **Daodejing** [or **Tao te Ching**]

< Ethan Ashbrook | *Philosophy* >

16. **This phenomenon was linked to TGF events by a Stanford study. The stepped leader meets the return stroke along a gradient to cause this phenomenon. It's not related to flames, but a simulation of this phenomenon was used to show that early Earth could have produced glycine, alanine, and other amino acids necessary to life. This phenomenon is responsible for (*) St. Elmo's Fire. This phenomenon can fuse together soil, rock and other debris to form fulgurite. The Miller-Urey experiment used electrodes continuously sparking to simulate this phenomenon. For 10 points, name this phenomenon that is usually followed by thunder.**

ANSWER: **lightning** [prompt on electricity; prompt on early Earth atmosphere until Miller-Urey with "What specific atmospheric component was simulated in the gaseous component of the experiment clued?"] < Michael Etzkorn | *Other Science* >

17. **One of these groups formed after the collapse of another named *Ostend*. A Japanese soldier's inquiry into the size of a fort led one of these groups to torture and behead 21 men on Ambon Island. Unrest under the leadership of Charles Canning led to the end of the Doctrine of Lapse for one of these groups. After being removed from (*) Ceylon, one of these organizations founded Porto Novo. Another of these organizations faced mutiny due to rumors of rifle cartridges greased with pig fat -- leading to its control over India being ceded to the British crown. For 10 points, name these trading companies, the most famous of which were founded by the British and Dutch.**

ANSWER: **East India** Companies [accept British **East India** Company; accept Dutch **East India** Company; accept **Vereenigde Oostindische Compagnie** or **VOC**; accept Swedish **East India** Company; prompt on India Company; prompt on Trading Companies] < Jaden Lucas | *Classics, British or Commonwealth, Other* >

18. **One work by a poet from this country asks the "generous reader" to "listen to [his] last word: I take back everything I've said." In addition to that "anti-poet," an author from this country wrote a poem whose speaker asserts, "You shall love beauty, which is the shadow of God over the universe." One poet from this country wrote (*) "Decalogue of the Artist" and a collection inspired by the death of her ex-lover Romelio Ureta. Another author from this country penned the *Elemental Odes* and a poem that opens "Tonight I can write the saddest lines." For 10 points, name this home country of Nicanor Parra, Gabriela Mistral, and the author of *Twenty Love Poems and a Song of Despair* -- Pablo Neruda.**

ANSWER: **Chile** [or the Republic of **Chile**] < Mitch McCullar | *Non-Epic Poetry* >

19. **According to Herodotus, this figure gave Melampus the worship of Dionysus, but some accounts say this figure threw Dionysus and his mother into the ocean in a chest. Due to a prophecy, the Cenchelians made this figure their king which allowed them to conquer Illyria. This father of Semele went to look for his sister with his brothers Cilix and Phoenix. After (*) slaying a dragon, this man used its teeth to create a group of armed soldiers called the Spartoi. The oracle at Delphi told this man to give up his search for his sister Europa -- instructing him to follow a cow and build a town where the cow laid down. For 10 points, name this husband of Harmonia and founder of Thebes.**

ANSWER: **Cadmus** < Ethan Ashbrook | *Mythology* >

20. **At one of these locations, girls raise their arms out to the side while almost touching fingertips while practicing calisthenics. A flagpole is centered along a building at one of these locations in a photograph where the U.S. flag blows above the mountain tops in the background. The (*) identical houses in that photograph appear in the background of a baseball game photo taken for a photo-essay collection that includes photos of Toyo Miyatake's family and nurse Catherine Natsuko Yamaguchi. Ansel Adams and Dorothea Lange photographed, for 10 points, what facilities, such as Manzanar, used by the U.S. during World War II to incarcerate certain Asian Americans.**

ANSWER: **Japanese internment** camps [accept **Japanese camps**; accept **Japanese-American Relocation Centers** accept reasonable equivalents of the places where **Japanese**-Americans were **relocated** during World War II; prompt on partial answers that only mention some sort of **camp** or holding **facility**; accept **Manzanar** internment camp or **Manzanar** relocation center **before mentioned**]
< Michael Etzkorn | *Other Fine Arts* >

BONUSES:

1. This substance is used in community meetings called foundations. For 10 points each:

[10] Name this substance which is consumed through a device called a Chalice which is used to connect worshipers to Jah.

ANSWER: **marijuana** [accept **cannabis**, **ganja**, **pot**, **weed**, **sticky-icky**, etc; prompt on **hemp**]

[10] Marijuana is used in the foundations of Rastafari. The Rastafari movement is associated with this genre of music -- which helped popularize Rasta in the United States. Bob Marley used this genre of music to summarize Rastafari teachings.

ANSWER: **Reggae**

[10] This other form of Rastafarian music consists of chanting and drumming and is used to reach states of greater spirituality. This form of music shares its name with the oldest Rastafari mansion which does not believe in violence.

ANSWER: **Nyabingi**

< Amy Paul | *Religion* >

2. Statics. For 10 points each:

[10] This value is very important in statics because for a body in static equilibrium, the sum of the forces acting on a body must equal this value. A constant velocity will have this value for acceleration.

ANSWER: **zero**

[10] Problems in mechanics often deal with these pairs of forces with equal magnitude and opposite direction acting on the same body. The moment due to these pairs of forces is dependent only on their magnitude and the distance separating them.

ANSWER: **couples**

[10] Statics is often applied to find the forces inside these structures. These structures consist of two-force members connected by pins. These structures are frequently used in the construction of bridges.

ANSWER: **trusses**

< Jaden Lucas | *Physics* >

3. The establishment of this country was the goal of the Zionism movement. For 10 points each:

[10] Name this Middle Eastern country that defeated its Arab neighbors in the Yom Kippur War.

ANSWER: State of **Israel**

[10] This only female Israeli Prime Minister led her country during the Yom Kippur War and authorized Operation Wrath of God against Black September.

ANSWER: Golda **Meir** (*ma-YEAR*) [accept Golda **Mabovitch**]

[10] Meir was preceded by this man, the first Israeli Prime Minister to die in office. This man led Israel during the Six-Day War and appointed Moshe Dayan as Defense Minister.

ANSWER: Levi **Eshkol**

< Sarod Nori | *Non-European, Non-Commonwealth History* >

4. Some characters spread the rumor of a white horse in this play after the suicide of Beata. For 10 points each:

[10] Name this play that culminates with the suicides of Rebecca West and Johannes.

ANSWER: **Rosmersholm**

[10] *Rosmersholm* is a play by this Norwegian playwright of *Hedda Gabler* and *A Doll's House*.

ANSWER: Henrik (Johan) **Ibsen**

[10] Ibsen also wrote this play in which Halvard Solness hires Ragnar Brovik as he fears Ragnar will be better than him. Halvard later dies after promising to create a “kingdom” for Hilda Wangel.

ANSWER: *The **Master Builder*** [or **Bygmester Solness**]

< Mitch McCullar | *Drama* >

5. Name some things about the YouTuber Jacob Collier (“CALL-yer”) and his performance at the 2018 Proms. For 10 points each:

[10] The Proms are hosted by this national broadcasting organization of the United Kingdom, whose Radio 3 channel promotes world music with programs like Music Planet, Late Junction, and World on 3.

ANSWER: **British Broadcasting Corporation** [or **BBC**; prompt on the **Beeb**]

[10] One of Collier’s co-performers was Hamid El Kasri, a maalem of Gnawa (“g’NAH-wa”) music from this African country. The Gnawa World Music Festival is held in its port city of Essaouira.

ANSWER: **Morocco**

[10] Indian music inspired the Beatles, whose song “Blackbird” was Collier’s concert closer. One Indian instrument is the bansuri, a type of this instrument which is played by James Galway and Jean-Pierre Rampal.

ANSWER: **flute**

< Bryan Lu | *Other Fine Arts* >

6. This document called for the removal of fishing-weirs. For 10 points each:

[10] Name this document that gave all “free men” the right to a fair trial. This document was written in heavily abbreviated Latin and signed at Runnymede.

ANSWER: **Magna Carta** [or **Magna Carta Libertatum**; or **Great Charter** of Liberties]

[10] This English King, who was jokingly called “Lackland” by his father, was coerced by the Barons into signing the Magna Carta at Runnymede.

ANSWER: King **John** [accept **John**, King of England]

[10] This clause of the Magna Carta gave a group of twenty-five barons the right to seize the king’s possessions. This clause’s unsuccessful implementation led to the First Barons’ War.

ANSWER: Clause **61** [accept **security** clause]

< Mike Hu | *Classics, British or Commonwealth, Other* >

7. Tungsten has the highest value for this temperature. For 10 points each:

[10] Name this temperature where a phase transition from solid to liquid occurs.

ANSWER: **melting point** [accept **liquefaction point**; accept **crystallization point**; accept **freezing point**; accept “temperature” in place of “point.”]

[10] Polycrystalline substances made from tungsten are described naturally by this adjective. This adjective applies to materials that break easily when subjected to stress.

ANSWER: **brittle**

[10] This process transforms materials into a brittle, non-crystalline form of glass. This process transitions a liquid into the glass state.

ANSWER: **vitrification**

< Michael Etzkorn | *Chemistry* >

8. This thinker argued that since Nirvana is in opposition to samsara, it doesn't exist. For 10 points each:

[10] Name this Indian philosopher, the author of *Fundamental Wisdom of the Middle Way*.

ANSWER: **Nagarjuna**

[10] Nagarjuna was a follower of this school of thought's Mahayana sect. This philosophical religion was founded by Siddhartha Gautama after he achieved enlightenment under the Bodhi Tree.

ANSWER: **Buddhism**

[10] Nagarjuna argued that everything, not just sentient beings, lack essence and thus possess this quality. Earlier Buddhist thinkers said that all people have no intrinsic nature, which gives them this property.

You can give the Sanskrit or English term.

ANSWER: **emptiness** [accept **Śūnyatā** or **voidness**]

< Brad McLain | *Philosophy* >

9. A kid in this novel spies on his mother through a hole in his wall. For 10 points each:

[10] Name this novel that ends with Ryuji drinking a cup of drugged tea given to him by a group of boys that include Noboru and “The Chief.”

ANSWER: *The **Sailor Who Fell from Grace with the Sea*** [accept **Gogo no Eiko**; accept translations like *The **Afternoon Towing*** or *The **Afternoon Shiptowing***]

[10] *The Sailor Who Fell from Grace with the Sea* is by this Japanese author of *The Temple of the Golden Pavilion* and the *Sea of Fertility Tetralogy*.

ANSWER: Yukio **Mishima** [or Kimitake **Hiraoka**]

[10] This novel by Yukio Mishima is the first in the *Sea of Fertility* tetralogy. This novel follows the relationship between Satoko and Kiyooki and ends with Kiyooki's death.

ANSWER: **Spring Snow** [accept **Haru no Yuki**]

< Brad McLain | *Long-Form Fiction* >

10. This company was heavily criticized in 2018 for allegedly allowing hate speech and calls for violence to be spread en masse. For 10 points each:

[10] Name this company founded by Mark Zuckerberg that removed many high ranking military leaders from its platform after it was used to promote the genocide of the Rohingya people.

ANSWER: **Facebook**(, Inc.)

[10] The spread of hate speech led to the temporary banning of Facebook in this island nation, where 2018 anti-Muslim riots led to the death of three people in Kandy District.

ANSWER: (Democratic Socialist Republic of) **Sri Lanka**

[10] Facebook has been accused of censoring pages in support of this minority group. Members of this group have been one of the major forces fighting ISIS, and they seek to establish their namesake country between Turkey and Syria.

ANSWER: **Kurds**

< Jaden Lucas | *Current Events* >

11. One artist with this last name decorated 39 elaborate table settings with yonic plates around a triangular table dedicated to famous women throughout history in her feminist piece *The Dinner Party*.

For 10 points each:

[10] Give the last name of the artist of *Dinner Party* who shares her name with a city home to the Crown Fountain and an art museum home to *Sunday Afternoon on the Island of La Grande Jatte*.

ANSWER: **Chicago** [accept Judy **Chicago**]

[10] The city of Chicago is probably best known for this sculpture with an affectionate nickname based on its shape. This curved Anish Kapoor stainless steel work finished construction in 2006 and reflects the city's skyline. You can give either the actual name or the sculpture's most common nickname.

ANSWER: **Cloud Gate** [or The **Bean**]

[10] The Rhona Hoffman Gallery in Chicago is home to works by this feminist artist. She placed the words "your body is a battleground" over a statuesque face in white letters on a red background for the 1980 Women's March, and her artwork inspired the Supreme Logo.

ANSWER: Barbara **Kruger**

< Iain Carpenter | *Painting and Sculpture* >

12. From 1893 to 1894, Hendrik Witbooi attempted to rebel against European colonists in what is now this country. For 10 points each:

[10] Adolf Lüderitz founded a colony in this modern day country in 1882, and it officially became a German possession in 1884. Its capital city of Windhoek contains three German castles.

ANSWER: (Republic of) **Namibia**

[10] This Namibian ethnic group was targeted in an 1904-1908 genocide led by Lothar von Trotha along with the related Namaqua people. Women of this ethnic group often wear traditional German blouses and dresses.

ANSWER: **Herero** People

[10] This region's namesake Liberation Army failed to force a secession during a 1994-1999 conflict. It was named after Otto von Bismarck's successor as Chancellor of Germany.

ANSWER: **Caprivi** Strip

< Jonathan Lau | *Continental Europe* >

13. For a probability space, one of these functions define the likelihood of an event to occur. For 10 points each:

[10] Name these functions used to define Lebesgue (*leh-BEG*) integrals.

ANSWER: (Lebesgue) **measures** [accept probability **measure** function; do **NOT** prompt or accept on “probability function”]

[10] Lebesgue integrals are a generalization of an integral named for this German mathematician. This man’s hypothesis asserts that the real part of non-trivial zeros to his namesake Zeta function only occur at one-half.

ANSWER: (George Friedrich) Bernhard **Riemann** [accept **Riemann** hypothesis; accept **Riemann** Zeta function]

[10] Lebesgue measures can be used to define the integral of this generalized function that is equal to infinity at zero and zero everywhere else.

ANSWER: **Dirac** delta function [or (Dirac) **delta** function]

< Michael Etzkorn | *Other Science - Math* >

14. This poet wrote, “if someone doesn’t want to hear the song of the reed flute / it’s best to cut the conversation/ short, say good-bye, and leave.” For 10 points each:

[10] Name this poet of the *Masnavi*, or *Spiritual Couplets*.

ANSWER: **Rumi** [or Jalal ad-Din Muhammad **Rumi**]

[10] The *Spiritual Couplets* was written in this language. Omar Khayyam’s collection of quatrains, the *Rubaiyat*, was written in this language.

ANSWER: **Persian** [or **Farsi**]

[10] The Persian poet Farid ud-Din Attar of Nishapur wrote *The Conference of the Birds* about a group of thirty birds led by the hoopoe in hopes of finding this King of the birds.

ANSWER: **Simurgh** [or **Simorgh**; or **Grimus**]

< Mitch McCullar | *Non-Epic Poetry* >

15. The Cournot-Nash model for this type of market assumes just two major competitors. For 10 points each:

[10] Give the name for a market dominated by a small number of sellers.

ANSWER: **oligopoly** [accept **duopoly**]

[10] When the sellers in an oligopoly agree to work together for reasons such as increasing prices, they are referred to with this legal term -- which has almost nothing to do with drug smuggling.

ANSWER: **cartel**

[10] Businesses in an oligopoly act asymmetrically to price increases and drops from competitors, giving the market a demand curve described by this adjective, reflecting the discontinuity in the curve.

ANSWER: **kinked** [accept descriptions of **kink**-having]

< Ethan Ashbrook | *Social Science* >

16. The natural form of this scale pattern is also known as the Aeolian mode. For 10 points each:

[10] Name this scale pattern whose works typically sound melancholic or angry.

ANSWER: **minor** [accept **natural minor**]

[10] In minor works, this cadence begins on the major form of the dominant. This strongest cadence is the resolution of the dominant V (*five*) chord to the tonic I (*one*) chord.

ANSWER: **authentic** cadence [accept **perfect** authentic cadence; accept **closed** cadence; accept **standard** cadence]

[10] Minor works in the Baroque period often employed this technique to end the piece. This technique is performed by raising the third at the resolution of a minor work, resulting in a major tonic chord.

ANSWER: **Picardy** third [accept **Picardy cadence** or **tierce Picarde**]

< Iain Carpenter | *Music* >

17. This disease's Negri bodies were first observed in vampire bats in 1931. For 10 points each:

[10] Name this viral disease that invades the central nervous system. Louis Pasteur developed a vaccine for this disease whose symptoms include aggression and characteristic mouth foaming.

ANSWER: **rabies** [accept **rabies** lyssavirus]

[10] The rabies virus enters host cells by interacting with receptors for this neurotransmitter. In the autoimmune disorder myasthenia gravis, the receptors for this neurotransmitter are blocked or destroyed by the body's own antibodies -- leading to muscle weakness from an inability to signal contraction.

ANSWER: **acetylcholine** [or **2-Acetoxy-N, N, N-trimethylethanaminium**; prompt on **Ach**]

[10] In this other autoimmune neurological condition similar to MS, the body's IgG antibodies and lymphocytes attack the myelin sheaths that surround axons.

ANSWER: **Guillain-Barré** (*gee-YAHN bah-RAY*) Syndrome [prompt on partial answers; prompt on **GB**]

< Jonathan Lau | *Biology* >

18. A boiler explosion on one of these ships, the *Sultana*, caused 1,192 deaths and is considered the worst maritime disaster in American history. For 10 points each:

[10] Name this type of ship, developed by Robert Fulton. In the golden age of these ships, they consumed so much wood that the banks of the Mississippi were deforested.

ANSWER: **steamboat**

[10] This city, at the terminus of a namesake "Trace", was a major stopping point for steamboats to load cotton and sugarcane. There have been nine river steamboats with this name, one of which lost a race to the *Robert E. Lee*.

ANSWER: **Natchez**

[10] In this 1824 case, a steamboat license given to Robert Fulton was ruled unconstitutional since it granted Fulton and Robert Livingston a monopoly on New York steamboat traffic.

ANSWER: **Gibbons v. Ogden** [accept **Ogden v. Gibbons**; prompt on **Gibbons**; prompt on **Ogden**]

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19. Answer some questions about English writers of essays. For 10 points each:

[10] One such English essayist was Walter Pater who wrote about the contributions of this time period from people like Pico della Mirandola and Michelangelo.

ANSWER: the **Renaissance**

[10] This English author wrote a satirical essay comparing murder to the fine arts. This author wrote an autobiographical account of the “pleasures” and “pains” of his laudanum addiction.

ANSWER: Thomas **de Quincey** (the book is *Confessions of an English Opium Eater*)

[10] This essayist described the seduction of his landlord’s daughter Sarah Walker in *Liber Amoris*. This friend of Charles Lamb wrote about 25 important men of the early 1800s in *The Spirit of the Age*.

ANSWER: William **Hazlitt**

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20. This title is held by the 14 mythical Kshatriya rulers of the current kalpa or eon. For 10 points each:

[10] Give this title which also refers to the progenitor of humanity in Hindu tradition. That figure is also the namesake of a law code, which he is said to have written after surviving a cataclysm.

ANSWER: **Manu**

[10] Shraddhadeva Manu, the current Manu, encountered this carp while washing his hands in a river. This fish is the first of Vishnu’s ten avatars.

ANSWER: **Matsya**

[10] Matsya appeared to warn Manu about one of these events. After this type of event, Manu’s boat washed up atop the Malaya Mountains.

ANSWER: **floods** [accept synonyms such as **deluges**]

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