

## ILLIAC -- ILLinois Academic Competition -- Round 4

1. In an article about the “Folly of trying to define” this concept, Donald Davidson described this concept as “primitive.” In a paper titled for this concept, JL Austin argues that human faculty must be used to assess intention and purpose in relation to this concept. One book by a different thinker argued that stating that a proposition has this quality is equivalent to stating the proposition. That A.J. (\*) Ayers work is titled for “Language,” *this concept*, “and Logic.” Correspondence theories of this concept define it as statements that agree with reality. For 10 points, name this property possessed by facts, the opposite of falsehood.

ANSWER: **truth**

< Ethan Ashbrook | *Philosophy* >

2. The H1N1 vaccine Pandemrix saw an increase in a disorder associated with this behavior. Chronic occurrences of this behavior occur in Kleine-Levin syndrome. Diagnosis of a disorder associated with this behavior is characterized by low levels of spinal orexin and classified by the presence of (\*) cataplexy. One disease commonly named for this behavior is transmitted by the tsetse fly and known medically as trypanosomiasis. Obesity can cause obstructive apnea during this behavior which is induced by melatonin production. The quality of this process is measured with a polysomnogram. For 10 points, name this physiological process that can occur suddenly in narcoleptics.

ANSWER: **sleep** [accept word forms; accept obvious equivalents such falling **asleep**; **napping** ; **snoozing**; accept REM **sleep**; accept African **sleeping** sickness; prompt on **REM** or **Rapid Eye Movement**; prompt on **dreaming**]

< Michael Etzkorn | *Biology* >

3. While at a monastery, this man was assaulted by a smoke figure after opening the tomb of a false Christian. This man found Pelles and Eliezer at the island of Sarras, where he was crowned king and gained the ability to choose his time of death. This man then chose to die after meeting Joseph of (\*) Arimathea, whose blood was used to paint a red cross on this man’s shield. This man’s most notable accomplishment was predicted when he sat on the Siege Perilous, a chair that killed all the unworthy men who sat on it. This Knight of the Round Table was the illegitimate son of Lancelot and Elaine. For 10 points, name the pure knight who achieved the Holy Grail.

ANSWER: **Galahad** [accept **Galaad**, **Galeas**, or **Galath**]

< Ethan Ashbrook | *Mythology, Stories, and Legends* >

4. This composer’s first piano trio begins **(read slowly) long B-flat, followed by triplet eighths: A, B-flat, D, (pause) long F,** and was published posthumously along with his last three piano sonatas. This composer’s final chamber work was his String Quintet in C major which is scored for two violins, a viola, and two cellos. This composer’s Piano Quintet in A major uses a (\*) double bass instead of a second violin and contains variations on this composer’s lied “Die Forelle” (*dee fo-RELL-uh*). An entr’acte from his incidental music to *Rosamunde* has been theorized to have been originally composed for his Eighth Symphony. For 10 points, name this composer of the *Trout Quintet* and a famous Unfinished B-minor symphony.

ANSWER: Franz Peter **Schubert**

< Dylan Bowman | *Music* >

5. In a work centering around this action, spies and astrologers believe that they can access a company through stone lions and a latrine called Qaphqa. After Trina does this action in *McTeague*, Trina's mother announces that Trina and McTeague are going to marry. After successfully doing this action, thanks to her friend in Paris, a maid holds a (\*) dinner for Martine and Philippa. For seventy-seven years, this action has been avoided by Old Man Warner where the performer of this action is stoned to death -- a fate that befalls Tessie Hutchinson. For 10 points, name this action central to a story by Borges set in Babylon and a story by Shirley Jackson.

ANSWER; winning the lottery [accept being chosen by the lottery (in Babylon) or being drawn from the black box; prompt on just lottery; prompt on answers describing getting money with "How did they get the money?"; prompt on winning money with "How did they win the money?"; prompt on being stoned/killed before mentioned with "What did the person do to cause them to be (stoned/killed)?"]

< Mitch McCullar | *Misc Literature* >

6. The opinion in this case was assigned to one justice due to his dissent in *Baltzer v. United States*. This case replaced the Hicklin test with a more protective standard. The standard set by this court case was limited by *Whitney v. California*, which established the "bad tendency" test, and by *Brandenburg v. Ohio*, which established the "imminent lawless action" test. The plaintiff in this case violated the (\*) Espionage Act by distributing leaflets that stated that "a conscript is little better than a convict." In the unanimous opinion of this case, Oliver Wendell Holmes, Jr. wrote of a "man falsely shouting fire in a theater." For 10 points, name this 1919 Supreme Court case which established the "clear and present danger" test.

ANSWER: Schenck v. United States [accept *Charles T. Schenck v. United States*, *Elizabeth Baer v. United States*; accept *Elizabeth Baer v. United States*; do NOT accept or prompt on "United States"]

< Sarod Nori | *US History* >

7. In a play by this author, a character asks "What's a cue?" when her teacher explains that she needs to add more feeling to the character of Cleopatra. In another play by this author, a woman wants to use the money from a business deal to restore her old family estate Lionnet. This rival of (\*) Mary McCarthy wrote a play in which Leo steals 88 thousand dollars of railroad bonds from a safe deposit box. In another play by this author, Mary Tilford accuses her teachers of having a lesbian affair. This author wrote a play about a land scheme that results in Regina letting her husband Horace die of a heart attack. For 10 points, name this playwright of *The Children's Hour* and *The Little Foxes*.

ANSWER: Lillian (Florence) Hellman

< Ethan Ashbrook | *Drama* >

8. **One calculation of these things improves upon older methods by accounting for correlation potential. The Moller-Plesset method calculates these things which are classified as ungerade if their sign changes under inversion. Walsh diagrams can be used to explain why some spatial configurations of these entities are more stable. The  $r^{-12}$  negative twelve term in the Lennard-Jones potential describes the repulsion due to overlap of these entities which can be approximated with the Hartree-Fock method. These entities can undergo hybridization and are described by the angular quantum number along with the letters s, p, d, and f. For 10 points, name this model used to describe the motion of electrons around an atom.**

ANSWER: atomic/molecular/electron **orbitals** [prompt on sub-shell; prompt on wavefunction]

< Michael Etzkorn | *Chemistry* >

9. **A building in this city was designed to resemble a geyser spouting water into the air and is located along this city's Avinguda Diagonal. Another building in this city contains a roof designed like a dragon's back and a loft that represents the dragon's rib cage. A building in this city has spires corresponding to the apostles that are split between the Nativity and (\*) Passion facade. This city is home to a mosaic dragon straddling the stairs to a park named for the Guell (*gwail*) family. For the 1929 International Exposition, Mies Van der Rohe designed a chair named for this city. Antoni Gaudi designed several buildings in, for 10 points, what Spanish city home to the Sagrada Familia?**

ANSWER: **Barcelona** (The first building is the Torre Agbar.)

< Jonathan Lau | *Other Fine Arts* >

10. **During this period, Taira no Takakage committed seppuku after an enemy army overran Iki island. This period's law code was the Goseibai Shikimoku, and its emperor Go-Toba was exiled to the Oki Islands after the failed Jokyu war. Assistants known as *rensho* served regents called *shikken*, an office held by members of (\*) the Hojo clan. This period was followed by the Kenmu Restoration, and it began after the Minamoto clan defeated the Taira clan in the Genpei War. During this period, two Mongol invasions were thwarted by typhoons known as *kamikaze*. For 10 points, name this first shogunate of Japan which followed the Heian Period.**

ANSWER: **Kamakura** Shogunate [accept **Kamakura** Period or **Kamakura** Bakufu]

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

11. **Jeremiah McCormack accused a man from this country of horse theft; that man, Ben Gould, responded by wrapping a note around cow testicles and mailing it to McCormack's wife. After stealing a pig from a Chinese Merchant named Ah Fook, one man from this country perpetrated the Stringybark Creek murders. The last words of a man from this country before being hanged were "such is life" after losing a (\*) shootout to the police while wearing a full suit of bulletproof armor; that man is Ned Kelly. The First Fleet saw the transportation of 11 ships filled with prisoners to this island's Botany Bay after it was mapped by James Cook. For 10 points, name this continent settled by British prisoners.**

ANSWER: **Australia**

< Michael Etzkorn | *Classics, British or Commonwealth, Other* >

12. Linguists of the Prague School first thought that these entities could be in privative, gradual, or equipollent opposition, which later developed into Roman Jakobson's theory of distinctive features. According to Saussure, the smallest parts of each signifier were these elements. The disappearance of contrast between these elements in specific contexts is known as (\*) neutralization, and two words that differ by only one of these units are known as minimal pairs. These units can have different realizations based on their environment, a phenomenon known as allophony. For 10 points, name these basic units of speech sound which distinguish words and morphemes.

ANSWER: phonemes

< Bryan Lu | *Social Science* >

13. After being elected, this politician's office plaque was decorated with Post-It notes reading things like "You are loved!", "Just keep dancing!" and "You do you!" In a House Oversight and Reform Committee hearing with IFS Chairmain Bradley Smith, this politician suggested playing a "lightning round game" to show how much a (\*) "bad guy" could get away with. Along with Rashida Tlaib, this politician is one of the first two Democratic Socialists of America members elected to Congress. In the 2018 midterm elections, she upset Joe Crowley to become the Junior representative from New York's 14th District. For 10 points, name this politician sometimes referred to as AOC.

ANSWER: Alexandria Ocasio-Cortez [accept AOC before mentioned]

< Iain Carpenter | *Misc - Current Events* >

14. At a birthday party in this novel, the "Mysterious Visitor" confesses to murdering a widow to the guests' disbelief. In this novel, Ferapont starts casting out devils in the corners of the room where another character's stenching corpse lies. Advice to get rich through the gold mines by (\*) Madame Khokhlakov is ignored by one character in this work, who elects instead to kill his father. An official from Seville is kissed on the lips by Jesus in "The Parable of the Grand Inquisitor," a story told by an atheist who interrogates Smerdyakov about the murder of their father Fyodor Pavlovich. For 10 points, name this novel centering on Dmitri, Ivan, and Alyosha, written by Fyodor Dostoyevsky.

ANSWER: *The Brothers Karamazov* [or *The Karamazov Brothers*; or *Brat'ya Karamazovy*]

< Mitch McCullar | *Long-Form Fiction* >

15. Defector Werner Stiller helped this country identify "the man without a face," Markus Wolf. Egon Bahr served as secretary of state for this country and described relations with another country as "change through rapprochement." A leader of this country helped overturn the Hallstein doctrine, but eventually resigned to be succeeded by (\*) Helmut Schmidt after it was discovered that his secretary Gunter Guillaume was a spy for the Stasi. This country's policy of Ostpolitik helped normalize relations with its neighbor and was spearheaded by chancellor Willy Brandt. For 10 points, name this country which reunited with its eastern neighbor after the fall of the Berlin wall.

ANSWER: West Germany [accept Federal Republic of Germany or FRG; accept Bundesrepublik Deutschland or BRD; prompt on Germany; do not accept or prompt on "East Germany"]

< Sarod Nori | *Continental Europe History* >

16. The speaker of one poem by this author declares, “if equal affection cannot be / let the more loving one be me;” while he wrote another poem about a man who “cried when little children died in the streets.” The speaker of a poem by this author claims to be composed of “Eros” and “dust” before stating that he wishes to “show an affirming flame.” (\*) Instructions like “prevent the dog from barking with a juicy bone” and “stop all the clocks” begin another poem by this author. In addition to writing “Epitaph on a Tyrant,” a speaker in one of this author’s poems claims “we must love one another or die” while sitting in “one of the dives / on Fifty-second Street.” For 10 points, name this poet of “Funeral Blues” and “September 1, 1939.”

ANSWER: W.H. Auden [or Wystan Hugh Auden]

< Mitch McCullar | *Non-Epic Poetry* >

17. Under this phenomenon, the pressure head loss depends on the cross-sectional radius to the negative fourth power. Falkner and Skan considered how wedges would affect this phenomenon when generalizing the two-dimensional boundary layer solutions that were developed by Blasius. (\*) Poiseuille (*pwah-ZAY*)’s law describes this phenomenon, which occurs when inertial forces are absent or low in strength compared to viscous forces. This regime corresponds to all flow lines being parallel to one another, an absence of eddy currents, and a low Reynolds number. For 10 points, name this type of smooth flow contrasted with turbulence.

ANSWER: laminar flow [or streamline flow; prompt on (wedge) flow; do **NOT** accept or prompt on “turbulent flow”]

< Michael Etkorn | *Physics* >

18. This artist sculpted a dejected woman kneeling on a rough terrain next to a human skull while holding a gilt bronze cross. A sculpture by a staircase at the Apsley House depicts this artist’s patron holding a bronze Nike on an orb. This sculptor of a marble *Repentant Magdalene in the Hermitage* was reprimanded by said patron for making him look “too athletic” in a depiction as (\*) “Mars the Peacemaker.” In another sculpture by this artist, the arms of a winged boy cover-up a nude woman wrapping her arms around the boy’s head. This artist designed the tomb of Clement XIV and sculpted Pauline Borghese holding a golden apple. For 10 points, name this Italian neoclassical sculptor of *Venus Victrix* and *Psyche Revived by Cupid’s Kiss*.

ANSWER: Antonio Canova

< Iain Carpenter | *Painting and Sculpture* >

19. Tracy Hall is credited for a breakthrough in the “preparation of” this material in a 1959 Nature paper describing the use of a piston “belt” apparatus and several molten metal catalysts. This material is used in a device to synthesize polymerized nitrogen and ice X (“*ten*”); that device of this material is an anvil cell. Mortars make use of the “crushing bort” variety of (\*) this mineral which is formed into a pyramidal indenter in the Vickers test. This mineral is primarily mined from kimberlite pipes and has a cubic crystal structure that lacks lone pairs, making it less stable than graphite at room temperature. For 10 points, name this carbon allotrope with the highest score on the Mohs hardness scale.

ANSWER: diamonds [do not accept or prompt on “carbon”]

< Jonathan Lau | *Other Science - Earth Science* >

20. Apologetic interpretations of this text claim that so-called “useful” animals in this work called “cureloms” and “cumoms” were actually mammoths. While serving as a scribe during the translation of this work, Martin Harris misplaced a section of this text later known as the Lost 116 Pages. This book contains the Testimonies of the Three Witnesses and the Eight Witnesses. This work, translated using Urim and (\*) Thummim, contains the Book of Jacob and the Book of Ether. This book describes the war between the Lamanites and the Nephites, and it was written in “reformed Egyptian” onto golden plates. For 10 points, name this central text of the Church of Latter Day Saints, discovered by Joseph Smith.

ANSWER: **Book of Mormon**

< Ethan Ashbrook | *Religion* >

BONUSES:

1. This series was inspired by the artist's viewing of a sculpture of a "Chacmool" figure. For 10 points each:

[10] Name this series of sculptures by an English artist. This series depicts highly abstracted renditions of the female form in the title position.

ANSWER: **Reclining Figure** series [accept **Recumbent Figure** series; accept **Reclining Woman**; do not accept or prompt on "Recumbent Woman"]

[10] This sculptor of *Nuclear Energy* and friend of Barbara Hepworth created the Reclining Figure series.

ANSWER: Henry (Spencer) **Moore**

[10] Hepworth created a sculpture titled for the "Summer" form of this practice. Camille Claudel's *The Waltz* depicts a couple engaged in this activity.

ANSWER: **dancing** [accept **dance**]

< Iain Carpenter | *Painting and Sculpture* >

2. Errors in physics. For 10 points each:

[10] Walter Sydney Adams claimed to have verified this phenomenon while measuring data from Sirius B. This phenomenon was truly verified by the Pound-Rebka experiment.

ANSWER: gravitational **redshift** [prompt on **Doppler** effect]

[10] Joseph Weber claimed to have discovered this phenomenon using his giant aluminum bars. While Weber's results were never validated, this phenomenon has been detected several times by LIGO.

ANSWER: **gravitational waves** [accept **gravity** waves or **g-waves**]

[10] Gerald Horton claimed that data was deliberately omitted from this experiment run by Robert Milliken. This experiment used namesake objects in an electric field to find the electron's fundamental charge.

ANSWER: Millikan **oil drop** experiment

< Nathan Fredman | *Physics* >

3. Name some animals associated with the Egyptian protector god Bes. For 10 points each:

[10] Modern scholars have claimed that the earliest depictions of Bes show him as one of these animals on their hind legs. The goddess Sekhmet is most commonly depicted as one of these animals.

ANSWER: **lions** [accept **lioness**]

[10] Among Bes's specific household duties was killing these creatures. One of these creatures was created from Ra's umbilical cord; that one of these animals, Apep, would frequently fight Set during a nighttime journey.

ANSWER: **snakes** [accept **serpents**, accept **cobras** or other specific types snakes]

[10] Bes was often present at childbirth, leading to his connection with the fertility goddess Taweret, who was most commonly represented as one of these animals. Horus once led his followers in killing these animals and crocodiles because of their association with Set.

ANSWER: **hippopotamus**

< Ethan Ashbrook | *Mythology, Stories, and Myths* >

4. Name some things about 20th-century African literature. For 10 points each:

[10] This Egyptian author detailed the death of the recently released criminal Said Mahran in *The Thief and the Dogs*. This author also wrote about the al-Jawad family in the Cairo Trilogy.

ANSWER: Naguib **Mahfouz**

[10] This author detailed his switch from English to Gikuyu in the book *Decolonizing the Mind*. This Kenyan author also wrote the novels *Petals of Blood* and *A Grain of Wheat*.

ANSWER: **Ngũgĩ** (*GOO-gee*) wa Thiong'o [or James **Ngugi**]

[10] Mariama Bâ, an author from this country, wrote about Ramatoulaye's correspondence with Aissatou in her novel *So Long a Letter*. Another author from this country included his poem "Prayer to Masks" in the collection *Shadow Songs*.

ANSWER: Republic of **Senegal** [or République du **Sénégal**] (the unnamed author is Léopold Senghor)  
< Mitch McCullar | *Long-Form Fiction* >

5. A composer from this country wrote the piece *Asturias* as a prelude to a piano suite named for this country. For 10 points each:

[10] Name this Iberian nation -- the home of Isaac Albéniz.

ANSWER: (Kingdom of) **Spain** [or *España*]

[10] *El Amor Brujo* (*broo-hoh*) was composed by this Spaniard who also composed music for the ballet *The Three-Cornered Hat*.

ANSWER: Manuel de **Falla** (*fah-yah*)

[10] This other piece by de Falla was begun as a set of nocturnes, but was rearranged for piano and orchestra. This piece contains three movements including "In the Generalife" and "A Distant Dance," while the last one depicts a festival in Sierra Córdoba.

ANSWER: ***Nights in the Gardens of Spain*** [accept equivalents such as ***Nights in Spanish Gardens***, accept ***Noches en los Jardines de España***]

< Dylan Bowman | *Music* >

6. This school of philosophy was put into action by Shang Yang and Li Si. For 10 points each:

[10] Name this highly pessimistic school of philosophy that sought to promote harmony via implementing laws and public security. The organizational ideas of this system influenced the Qin dynasty's development into a military power.

ANSWER: **Legalism** [or **Fa-jia**]

[10] This legalist philosopher stressed the importance of "punishment and reward" following an individual's actions, which he referred to as the "two handles," or Xing-Ming. This student of Xunzi (*shoon zuh*) synthesized many Legalist teachings in a self-titled book.

ANSWER: **Han Fei** [or **Han Fei Zi**]

[10] The Legalist ideas of government are often contrasted with this thinker's ideas. This thinker espoused the importance of filial piety in life and government in the *Analects*.

ANSWER: **Confucius** [accept **Kongfuzi**; accept **Kong-Zi**; accept **K'ung-fu-tzu**; accept **Kong Qui**]

< Ethan Ashbrook | *Philosophy* >

7. This rebellion's leader was termed "the Prophet" because he would preach the Bible to other slaves. For 10 points each:

[10] Name this leader of an 1831 slave rebellion who was caught with his Bible in hand 6 weeks after his rebellion that killed 60 white people before it was put down by local Virginian militia.

ANSWER: **Nat Turner**'s Rebellion

[10] This former slave planned a slave uprising in Charleston to begin on Bastille Day until his plan was revealed and he was executed.

ANSWER: Denmark **Vesey**

[10] This largest slave rebellion in colonial America was led by Jemmy, also known as Cato. This rebellion was put down by the South Carolina militia at the Battle of Edisto River.

ANSWER: **Stono** Rebellion [accept **Stono** River Rebellion]

< Nathan Fredman | *US History* >

8. This author wrote a poem with repeated phrases such as "Mumbo-Jumbo will hoo-doo you" and "Boomlay, boomlay, boomlay, BOOM." For 10 points each:

[10] Name this poet of "The Congo." This author also wrote about the founder of the Salvation Army in his poem "General William Booth Enters into Heaven."

ANSWER: (Nicholas) Vachel **Lindsay**

[10] Vachel Lindsay wrote a poem about this "prairie lawyer" walking at midnight. This president legendarily said that Harriet Beecher Stowe was the "little woman that wrote the book that started this great war."

ANSWER: Abraham **Lincoln** [accept "Abraham **Lincoln** Walks at Midnight"; prompt on the American **Civil War** by saying "We're asking for the president."]

[10] A poem by Lindsay compares John Altgeld to one of these animals "that is forgotten." A different poem about one of these animals states "the wrinkled sea beneath him crawls."

ANSWER: **eagle** [accept "The **Eagle** that is Forgotten" or "The **Eagle**" (by Tennyson)]

< Mitch McCullar | *Non-Epic Poetry* >

9. Captain Gardiner produced the never-circulated bank notes for this country, with stars unusually looking similar to the Star of David. For 10 points each:

[10] Name this short-lived country lead by Abd-el-Krim during a war that ended with France sending 100,000 troops to occupy this country.

ANSWER: Republic of the **Rif** [accept The Confederal Republic of the Tribes of the **Rif**; accept **Rif** Republic or The **Riff**; accept **Rif** War]

[10] The Rif War occurred between Spain and some of the Berber tribes revolting against colonial rule in this modern-day country.

ANSWER: Kingdom of **Morocco**

[10] At the age of 33, this man was promoted to Brigadier-General after leading the first wave of Spanish troops in the Rif War. This man ruled a party with an ideology fused from the Falange and Carlist parties.

ANSWER: Francisco **Franco** (Bahamonde)

< Michael Etzkorn | *Non-European, Non-Commonwealth History* >

10. Answer some questions about how geography can determine animal size. For 10 points each:

[10] According to Foster's rule, organisms on these type of landmasses evolve to become smaller or larger than their mainland predecessors depending on the resources available. Moas and Elephant Birds are example of gigantism on these landmasses.

ANSWER: **islands**

[10] This rule states that within a clade, species in colder environments are larger than relatives in warmer environments.

ANSWER: **Bergmann's** rule

[10] Gigantothermy gives larger animals a high body-temperature due to having a small value for this ratio. This ratio is made larger for many cells -- especially microvilli taking up nutrients.

ANSWER: **surface area** to **volume** [or anything mentioning **surface area** over **volume**; do **NOT** accept or prompt on flipped answers such as "volume to surface area"]

< Nathan Fredman | *Biology* >

11. 5% of this building is owned by the Sellar Property Group while the other 95% is owned by the State of Qatar. For 10 points each:

[10] Name this building, the first to use the top-down construction method. This London building stands at 1,004 feet tall and features an open air viewing floor on its 72nd level.

ANSWER: The **Shard** [accept **Shard** of Glass; accept **Shard** London Bridge; prompt on London Bridge Tower]

[10] This architect of the Kansai International Airport collaborated with Richard Rogers on the Pompidou Center and designed The Shard.

ANSWER: Renzo **Piano**

[10] Renzo Piano designed the Kansai International Airport on an artificial island in Japan. Before Japan's Imperial Hotel sank into the mud, it was a mark of this architect's prowess after it survived the great Kanto Earthquake.

ANSWER: Frank Lloyd **Wright**

< Michael Etkorn | *Other Fine Arts* >

12. After this character calls another "Baldhead Ass" he is beaten with a stick. For 10 points each:

[10] Name this character who is upset at not drawing a perfect circle when signing his confession. The townspeople are later upset when this character never says any lines from an opera before he is executed.

ANSWER: **Ah Quei** [prompt on just "**Ah**" or "**Quei**"]

[10] This author included "The True Story of Ah Q" in his collection *Call to Arms*, which contains a story whose narrator sees the line, "Eat people!" written in many books. That story is "Diary of a Madman."

ANSWER: **Lu** Xun [or **Zhou** Shuren]

[10] Lu Xun was an author from this country. An author born in this country, Anchee Min, set her novel *Becoming Madame Mao* in this country.

ANSWER: **China** [or **Zhongguo**; accept People's Republic of **China**]

< Mitch McCullar | *Misc Literature* >

13. Name some things about Suleiman the Magnificent's life. For 10 points each:

[10] Suleiman was a sultan of this empire, known as the “sick man of Europe,” whose 1453 conquest and subsequent renaming of Constantinople marked the end of the Byzantine Empire.

ANSWER: **Ottoman** Empire [or Devlet-i ‘Alīye-i ‘**Osmaniye**; or The Exalted **Ottoman** State; or **Osmanlı** İmparatorluğu; or **Osmanlı** Devleti; prompt on **Turkish Empire**; do NOT accept or prompt on “Turkey” or “Republic of Turkey” or “Türkiye Cumhuriyeti”]

[10] Suleiman's 1529 siege of this city was repulsed by, among others, Niklas Graf Salm and Wilhelm von Roggendorf. A planned Ottoman campaign against this city was stopped by the death of Suleiman at Szigetvár (*si-GET-var*).

ANSWER: **Vienna** [or **Wien** (*VEEN*); or **Viyana**]

[10] This battle between the Ottoman Empire and the Kingdom of Hungary, led by Louis II, marked the end of the Jagiellonian dynasty and the partition of Hungary between the Habsburgs and the Principality of Transylvania.

ANSWER: Battle of **Mohács** (*MO-hash*) [or **Mohácsi** csata; or **Mohaç** Meydan Muharebesi; do NOT accept or prompt on “Second Battle of Mohács”]

< Sarod Nori | *Continental Europe History* >

14. This distribution has mean equal to its variance. For 10 points each:

[10] Name this discrete probability distribution which describes the number of events that happen in an interval given the average event rate.

ANSWER: **Poisson** distribution

[10] This other discrete probability distribution is often contrasted with the binomial distribution, as it describes the probability of k successes in n trials without replacement from a finite population.

ANSWER: **hypergeometric** distribution [do NOT accept or prompt on “geometric” distribution]

[10] According to the Central Limit Theorem, the sum of independent, identically distributed random variables converge to this probability distribution. This probability distribution has pdf proportional to  $e^{-x^2/2}$  to the negative x squared, and it is often described as a “bell curve.”

ANSWER: **normal** distribution [accept **Gaussian** distribution; accept Laplace-**Gauss** distribution]

< Iain Carpenter | *Other Science - Math* >

15. This book describes how young girls are instructed in ngweko, a practice of “platonic fondling” meant to avoid pregnancy. For 10 points each:

[10] Name this anthropological text that is dedicated to “the dispossessed youth of Africa,” an ethnography of the Kikuyu people.

ANSWER: **Facing Mount Kenya**

[10] This man wrote *Facing Mount Kenya*. This student of Bronislaw Malinowski later became the first president of Kenya.

ANSWER: Jomo **Kenyatta**

[10] *Facing Mount Kenya* controversially supported this practice, so long as it was performed by a “trained western scholar.” Alice Walker’s book *Warrior Marks* contains interviews of women who experienced this practice.

ANSWER: **female genital mutilation** [prompt on partial answer; accept **female circumcision**; accept **infibulation**; accept **clitoridectomy**; accept **female genital cutting**; accept **FGM**; prompt on **circumcision**]

< Brad McLain | *Social Science* >

16. This rule describes the degrees of freedom of a closed system that has reached equilibrium. For 10 points each:

[10] Name this rule that can be written as  $F = C - P + 2$ .

ANSWER: **Gibbs’ Phase Rule** [prompt on partial answers]

[10] This scientist names a classification scheme for phase transitions based on thermodynamic free energy. This man’s paradox deals with the rotation of a rigid body at relativistic speeds.

ANSWER: Paul **Ehrenfest**

[10] The Gibbs Phase Rule determines that this point only occurs once for a single component. This point gets its name because it occurs at the temperature and pressure where the three phases of a substance can coexist.

ANSWER: **triple** point

< Michael Etkorn | *Chemistry* >

17. In the first part of the Book of Enoch, angels known as Watchers are described as fathering beings with this quality, the Nephilim. For 10 points each:

[10] Name this quality, which was also possessed by King Og of the Ammonites as well as several Anakites mentioned in the report of the 12 spies sent into Canaan.

ANSWER: they were **giants** [accept logical equivalents of **superhuman size**]

[10] The Book of Enoch is accepted as canonical by this country’s Orthodox Church which is headquartered in Addis Ababa.

ANSWER: (Federal Democratic Republic of) **Ethiopia**

[10] The Book of Enoch is only fully extant in this liturgical language, used among Beta Israel. This Semitic language is also used by the Ethiopian Orthodox Tewahedo Church.

ANSWER: **Ge’ez** [prompt on **Ethiopic**]

< Brad McLain | *Religion* >

18. The protagonist of one novel by this author is moved to tears by the piano playing of Mademoiselle Reisz. For 10 points each:

[10] Name this author who described the death of Edna Pontellier in her novel *The Awakening*.

ANSWER: Kate **Chopin** [or Katherine **O'Flaherty**]

[10] Kate Chopin wrote this story in which Armand shuns his wife when he believes she is part black, only to find a letter from his mother detailing his black ancestry.

ANSWER: “**Désirée’s Baby**”

[10] In Chopin’s “The Story of an Hour,” Mrs. Mallard repeats this word under her breath after Josephine breaks some bad news to her.

ANSWER: **free**

< Mitch McCullar | *Short-Form Fiction* >

19. This desert contains such Stone Age artwork as the Cave of Swimmers and Cave of Beasts, and Neolithic artwork provides evidence that it was once a tropical savanna. For 10 points each:

[10] Name this desert inhabited by nomadic peoples such as the Tuareg and Sahrawi. Recently, engineers have proposed flooding this desert’s Qattara Depression with seawater to create an artificial lake.

ANSWER: **Sahara** Desert

[10] The Chari River drains into this large lake on the edge of the Sahara. This lake is bordered by Cameroon, Niger, Nigeria, and a country with a capital at N’Djamena. (*nn-ja-MEY-nah*)

ANSWER: Lake **Chad**

[10] This isolated mountain range is located in northern Chad and southern Libya. Its highest point is the shield volcano Emi Koussi at 11,302 feet.

ANSWER: **Tibesti** Mountains

< Jonathan Lau | *Misc - Geography* >

20. In the last of the Byzantine-Sassanid wars, these people revolted against the Byzantines, reinforcing Sassanid general Shahrbaraz’s army with 20,000 men. For 10 points each:

[10] Name these people that assisted the Sasanian conquest of Jerusalem, made plans for the construction of a Third Temple, and attempted to conquer Tyre. These people soon fell out of Sassanid favor and instead were heavily taxed.

ANSWER: **Jews** [accept non-slur logical equivalents like **Jewish** people or **Judaic** people]

[10] While capturing Jerusalem, Shahrbaraz took this Christian artifact as a trophy. After the Byzantines won the Battle of Nineveh, Emperor Heraclius recovered this item from Shahrbaraz as part of the terms of Sassanid surrender and raised this item above an altar at the Hagia Sophia.

ANSWER: **True Cross**

[10] This first Islamic caliphate, established after Muhammad’s death, won the Battle of Yarmouk against Heraclius and conquered the Levant and Egypt from the Byzantines.

ANSWER: **Rashidun** caliphate [prompt on **Rightly Guided** caliphate or caliphs]

< Nathan Fredman | *Classics, Britain or Commonwealth, Other* >