

ILLIAC -- ILLinois Academic Competition -- Round 10

1. **This character’s wedding takes place in the middle of a dysentery epidemic where his wife is described as “both a widow and divorced.” In a dream, this character is informed that God doesn’t exist, only a “thick mire” by a “Spirit of Evil.” After discovering his wife in bed with another man, this character resolves “enough being a (*) donkey.”** After his wife Elka informs him that not all the children are his, this character urinates on some bread-dough and leaves the city of Frampol. For 10 points, name this gullible baker who titles a short story by Isaac Bashevis Singer.

ANSWER: Gimpel the Fool [accept Gimpel Tam]

< Mitch McCullar | *Short-Form Fiction* >

2. **This work may depict an early sex scandal involving someone dubbed *The Mysterious Lady*. This work’s commissioner is seen “holding a club, giving strength to the boys.” In early 2018, Emmanuel Macron announced that France would be loaning this (*) Bishop-of-Odo-commissioned work to the British Museum; the first time it will be leaving France in 950 years.** This large work includes a famous depiction of Halley’s Comet and shows Harold Godwinson taking an arrow to the eye. For 10 points, name this 230 foot long cloth that illustrates the Battle of Hastings and commemorates the Norman conquest of England.

ANSWER: Bayeux Tapestry [accept Tapiserie de Bayeux; accept La telle du conquest; accept Tapote Baiocense]

< Iain Carpenter | *Painting and Sculpture* >

3. **Seventh Day Adventists cite one prophecy from this text in their identification of the Papacy with the Antichrist. Modern interpretations of this text’s final prophecy suggest Antiochus and the Antichrist as the identities for “the Kings of the North and South.” This text includes depictions of four (*) beasts, including a four-winged leopard and a bear with three ribs in its mouth.** This text describes the title prophet interpreting a disembodied hand writing on the wall at Belshazzar’s feast. For 10 points, name this book of the Bible whose title prophet survives a trip to the lions’ den.

ANSWER: Book of Daniel [prompt on the Bible]

< Tim Cho / Brad McLain | *Religion* >

4. **In 2013, forty sailors from this country “revived maritime tradition” here by sailing on the “Fath al Khair” voyage in traditional clothing and using old maritime tools. In this country’s capital, a large, torch-shaped hotel called the Aspire Tower was built -- the tallest building in the district of West Bay. A small strait separates this country from the eastern (*) Hawar Island, ownership of which is disputed with a neighboring country. In 1940, oil was discovered in this country’s city of Dukhan, and this country shares its only land borders with Saudi Arabia.** For 10 points, name this oil-rich Gulf State home to the news agency Al-Jazeera, with a capital at Doha.

ANSWER: (State of) Qatar (“cutter” or kuh-TAR) [accept Dawlat Qatar]

< Jonathan Lau | *Misc - Geography* >

5. The protecting group THP forms a modified form of this functional group. On aryl compounds, instead of undergoing nucleophilic substitution, strong acid halides like HCl reduce these functional groups to hydroxyl groups. Reacting an alkene with a peroxy acid like mCPBA forms a cyclic one of these molecules in a reaction sometimes named for (*) Prilezhaev. Compounds with this functional group are formed by reacting an organohalide with a deprotonated alcohol in the Williamson synthesis. Trapping ions can be done using a “crown” made of this functional group whose diethyl variety saw use as an anesthetic. For 10 points, name this functional group that contains an oxygen bonded to two alkyl groups.

ANSWER: ethers [accept epoxides; accept aryl ethers]

< Dylan Bowman | *Chemistry* >

6. One ruler with this name attempted to replace the king of Sicily with his son Edmund by allying with Pope Innocent IV. Another ruler of this name hosted a visit from Manuel II Palaiologos and faced a Welsh rebellion under Owain Glyndŵr (*glen-DOW-ur*). A ruler of this name defeated Simon de Montfort in the (*) Second Barons’ War and ascended to the throne following the death of King John. This was the name of a ruler who had Thomas More executed and overruled Clement VIII’s refusal to annul his marriage to Catherine of Aragon. For 10 points, give this English ruling name whose 8th holder married six times and started the Church of England.

ANSWER: Henry [accept Henry VIII; accept Henry III; accept Henry IV]

< Jonathan Lau / Michael Etzkorn | *Classics, Commonwealth or Britain, Other History* >

7. Layering this data structure can create a probabilistic skipping variety of them first described by William Pugh. Using separate chaining, hash tables can resolve hash function collisions by putting colliding keys into this kind of data structure. It’s not a matrix, but the adjacency variety of this structure allows for quick lookup of vertex neighbors for finite graphs. They’re not trees, but appending (*) a sentinel node to this data structure can speed up operations and avoid dereferencing null pointers. A node contains pointers to both its predecessor and its next neighbor in the “doubly-linked” variety of this structure. For 10 points, name this data structure that places items in a definitive order.

ANSWER: linked list [prompt on array with “Used to implement what data structure?”]

< Michael Etzkorn | *Other Science - Computer Science* >

8. A representation of this object was referred to with the epithet “Millions of Years;” that representation was also known as “becoming strong” and “becoming weak.” A figure associated with this object was often accompanied by the deifications of perception, command, and magic: Sia, Hu, and Heka. This object’s representations include the Matet and the (*) Sektet. Many gods associated with this object were adorned with the uraeus, an image of an upright cobra. Khepri treated this object like a ball of dung. The serpent of chaos Apophis would constantly try to swallow, for 10 points, what celestial object that Ra drove across the sky in a solar barque?

ANSWER: the Sun [accept Ra’s solar boat until mentioned; accept synonyms for boat like “barge”]

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

9. A trial in this ruler's court followed Nicholas Donin's accusations of blasphemy in the Talmud. After one of this ruler's losses, a monk known as the "Master of Hungary" rounded peasants and attacked churches in the Shepherds' Crusade. This ruler's heart was buried near Palermo by his brother Charles of Anjou. At the request of Philip IV's wife, Jeanne of Navarre, (*) a biography of this ruler's life was created by Jean de Joinville (*jwan-veel*). This king returned the recently captured Damietta as part of the Ayyubid's ransom after this king was captured at the Battle of Fariskur. This king would later die in Tunisia during the Eighth Crusade. For 10 points, name this only canonized king of France.

ANSWER: Louis IX of France [accept Saint Louis; prompt on Louis]

< Mitch McCullar | *Continental European* >

10. This character deduces the identity of another character disguised as a gypsy fortune-teller after the fortune-teller lets his voice slowly deepen. A chestnut tree is struck by lightning after earlier serving as the location of a proposal to this character who is let into Marsh End by a man who later asks this character to go to India as his missionary wife. After hitting her cousin (*) John, this character is sent to the "red room." While attending Lowood school, this character's friend Helen Burns dies. Towards the end of the novel this character narrates, she finds Thornfield Hall burned down and her former fiancé Edward Rochester blind. For 10 points, name this title character of a novel by Charlotte Brontë.

ANSWER: Jane Eyre [accept either underlined name]

< Mitch McCullar | *Long-Form Fiction* >

11. In the preface to an essay collection, this thinker uses René Char's term "treasure" to describe the freedom experienced during social upheaval that is lost when the revolution dies out. This thinker expanded the "unwritten political philosophy" of Kant into the theory of "reflective judgement." This author of *Between Past and Future* described the replacement of the "homo faber" conception of activity in *The Human (*) Condition*. In another book, this thinker described a Nazi's inaction and unintelligence as exemplifying the "banality of evil." For 10 points, name this philosopher who covered the Nuremberg Trials in her book *Eichmann in Jerusalem*.

ANSWER: Hannah Arendt (Blucher) [or Johanna Cohn Arendt Blucher]

< Ethan Ashbrook | *Philosophy* >

12. This instrument quotes "Pop Goes the Weasel" in a legendary Thad Jones solo on Count Basie's "April in Paris." This instrument introduces the theme of Frank Foster's "Shiny Stockings." Conga drums accompany a player of this instrument on the song "Little Sunflower." This instrument was played by a musician who released the albums *Backlash* and *Red Clay*. (*) Freddie Hubbard is sometimes considered a successor to a player of this instrument who included the song "Boplicity" on his album *Birth of the Cool*. A player of this instrument made waves in modal jazz with songs like "Freddie Freeloader" and "So What" on his album *Kind of Blue*. For 10 points, name this brass instrument played by Miles Davis.

ANSWER: trumpet

< Iain Carpenter | *Other Fine Arts* >

13. **This symbol titles an epic poem divided into “24 hours,” written by Louis Zukofsky. This symbol appears on a brooch along with the phrase “amor vincit omnia,” which is worn by a person who tells a story about a singing Christian boy who gets murdered by Jews. In one work, a man discovers this symbol along with some of Surveyor Pue’s documents in the attic of a (*) custom-house. In addition to being worn by the Prioress, a woman associated with this sign is married to Roger Chillingworth, but has a daughter with Reverend Dimmesdale, causing her to be shunned by the Puritans. For 10 points, give this letter worn by Hester Prynne, the title *Scarlet Letter*.**

ANSWER: the letter **A** [prompt on scarlet letter with “What is the letter?” before “scarlet”]

< Ethan Ashbrook | *Misc Lit* >

14. **A parasite transmitted by this family can initiate autophagy by interfering with calcium-dependent pathways in the host cell and induces conformational changes on the apoptotic proteins BAK and BAX. Rats have decreased aversion for these animals’ urine after infection with a parasite that only sexually reproduces in these animals. The lack of a well-developed clavicle in smaller members of this family enables their special (*) “righting reflex”. The bacterium *Bartonella henselae* causes a disease named for these animals, which can spread *Toxoplasma gondii* through their feces. For 10 points, name this mammalian family that includes lions and tigers.**

ANSWER: **Felidae** [accept **Felines**; accept **cats**]

< Jonathan Lau | *Biology* >

15. **A book about this poet subtitled *Reflections on the Problems of Translation* was written by William H. Gass. A poem by this author declares “it is truly strange to no longer inhabit the earth” before mentioning the death of the mythical poet Linos. One poem by this author imagines that the “legendary head” of the title god has “eyes like ripening fruit.” The title creature of one poem by this author (*) “paces in cramped circles.” This author of “The Panther” asserted “you must change your life!” at the end of “The Archaic Torso of Apollo.” A collection by this poet begins “Who if I cried out, would hear me among the Angelic orders?” For 10 points, name this author of *The Duino Elegies*.**

ANSWER: Rainer Maria **Rilke** [accept *Reading Rilke: Reflections on the Problems of Translation*]

< Mitch McCullar | *Non-Epic Poetry* >

16. **This man used his mother’s maiden name “Edwards” on return from exile to avoid financial creditors. The arrest of Samuel Swartwout for carrying a message from this person to New Orleans led to the court case *Ex parte Bollman*. This man detailed his move to Texas in a compromising “Cipher letter” sent to the first Governor of the (*) Louisiana Territory, James Wilkinson. Following the election of this vice president, the 12th Amendment was passed since the electoral college split their votes in a tie, which had to be broken by House of Representatives. For 10 points, name this third vice president of the United States who killed Alexander Hamilton in a duel.**

ANSWER: Aaron **Burr** Jr.

< Michael Etkorn | *US History* >

17. **One thinker with this last name used dogs fighting as an example of communication devoid of “significant signals,” instead partaking in a “conversation of gestures.” A person with this surname distinguished between the societal and reactionary parts of the self, known as the “I” and the “me.” Another person with this surname discussed a society where men vainly (*) decorated themselves in a practice known as “primping” as part of a study on the Tchambuli people. This is the surname of social theorist George Herbert and an anthropologist who discussed decreased sexual pressure for teenagers on a certain Pacific island. For 10 points, give this surname of the author of *Coming of Age in Samoa*.**

ANSWER: **Mead** [accept George Herbert **Mead** or Margaret **Mead**]

< Ethan Ashbrook | *Social Science* >

18. **During this conflict, a servant claimed to have seen visions of St. Andrew guiding him to the location of the Holy Lance. During a campaign that occurred prior to this larger conflict, 6,000 men led by Reynald stormed the fortress Xerigordos before it was recovered by Kilij Arslan I. The German expedition of this campaign massacred Jewish citizens in Worms and Mainz and was led by (*) Count Emicho of Leiningen. The target city of this campaign was later ruled by Godfrey of Bouillon (*boo-yon*). An event calling for this campaign was closed with the cry “deus vult” after a speech at the Council of Clermont by Pope Urban II. For 10 points, name this 11th-century campaign that saw the capture of the Holy Land.**

ANSWER: **First Crusade** [accept **Princes’ Crusade**, accept **First after crusade**; prompt on **Crusades**; prompt on **People’s Crusade** by asking “What campaign was that a prelude to?”]

< Jonathan Lau / Michael Etkorn | *Non-European, Non-Commonwealth* >

19. **A vocal form from this country is described by a four-word phrase stating that lyrics should be delivered precisely while melodic passages should be “round.” A tenor aria from an opera set in this country ends with sustained B4 and A4 notes on the word “Vincerò (*veen-cheh-RO*).” It’s not Italy, but rough men and clowns are two of the four classic character archetypes in a performance art from this country. An ensemble featuring a two-stringed fiddle and led by a (*) clapper are traditionally used in operas from this country -- whose first opera house was the “Pear Garden.” In an opera set in this country, “Nessun Dorma” is sung by Calaf before he answers a set of three riddles. For 10 points, name this setting of *Turandot* and home of Beijing opera.**

ANSWER: **China** [accept **Zhongguo**]

< Dylan Bowman | *Music* >

20. Radiation from processes predicted by this theory can be modeled as “parton showers.” David Gross, Frank Wilczek, and Hugh David Politzer showed that an increase in interaction energy in this theory will decrease the coupling constant of an interaction. This non-Abelian gauge theory with SU(3) symmetry had its name coined by Fritzsche, Gell-Mann, and Leutwyler. A force described by this theory seems to (*) *increase* in strength with distance, and this theory predicts the hypothetical existence of glueballs. The two main properties of this theory are confinement and asymptotic freedom. For 10 points, name this theory that describes the strong force through assigning quarks and gluons color charge.

ANSWER: **QCD** [or **quantum chromodynamics**; prompt on Standard Model with “What part of the Standard Model?”; prompt on quarks; prompt on gluons]

< Michael Etzkorn | *Physics* >

BONUSES:

1. Answer the following about the biology of naked mole rats. For 10 points each:

[10] Naked mole rats are known for not regulating this quantity, making them almost completely ectothermic. Animals that do not regulate this quantity are known as cold-blooded.

ANSWER: body **temperature** [do **NOT** accept or prompt on “heat”]

[10] When deprived of oxygen, naked mole rats begin to run glycolysis on this compound, which lends them resistance to anoxia. The 1,6-bisphosphate of this molecule is a key checkpoint in a metabolic pathway.

ANSWER: **fructose**

[10] Because naked mole rats lack Substance P, they lack the ability to process this informational stimulus that is measured with capsaicin.

ANSWER: **pain** [do **NOT** accept or prompt on “spiciness”; or synonyms like “suffering” or “agony”]

< Brad McLain | *Biology* >

2. An assassination attempt was made on this man through a performance of a sword dance at the Feast at Hong Gate. For 10 points each:

[10] Name this man who defeated Xiang Yu at the Battle of Gaixia.

ANSWER: **Liu Bang** [or Emperor **Gaozu** of **Han**; prompt on “Liu”; prompt on “Gaozu”]

[10] Liu Bang founded this dynasty, which was followed by the Three Kingdoms period. China’s majority ethnic group is named after this dynasty.

ANSWER: **Han** Dynasty

[10] This dynasty divided the Han Dynasty into the Western Han and the Eastern Han. The Red Eyebrows Rebellion occurred in this dynasty, which ultimately caused its downfall.

ANSWER: **Xin** (*shin*) Dynasty [do **NOT** accept or prompt on “Qin Dynasty” -- ask a player to spell their answer if you are unsure]

< Mike Hu | *Non-European, Non-Commonwealth History* >

3. One character created by this man feigns impotence in order to sleep with married women. For 10 points each:

[10] Name this Restoration playwright whose most famous play contains the “china scene” and follows Horner’s attempts to seduce women.

ANSWER: William **Wycherley** (the play is *The Country Wife*)

[10] This other Restoration playwright wrote about Mirabel marrying Millamant in *The Way of the World*. His other plays include *The Mourning Bride* and *Love for Love*.

ANSWER: William **Congreve**

[10] Aphra Behn, the Restoration author of *The Rover* and *Oroonoko*, was employed by Charles II in this profession. Ian Fleming partly based his most famous character with this profession off himself.

ANSWER: **spy** [accept logical equivalents like **agent** or **intelligence** officer]

< Mitch McCullar | *Drama* >

4. Percy Grainger collected and used folk songs for pieces like his solo piano arrangement *Country Gardens*. For 10 points each:

[10] Though Grainger was Australian, his works characteristically used English folk songs -- as in this work for concert band that uses the tunes “Horkstow Grange” and “Rufford Park Poachers” that Grainger composed after travelling to the title city in England.

ANSWER: **Lincolnshire Posy**

[10] In traditional Australian music, this woodwind instrument was originally used to accompany ceremonial singing and dancing. This instrument is composed of a pipe of wood and creates a drone when played.

ANSWER: **didgeridoo**

[10] The “unofficial national anthem” of Australia is this folk song written by Banjo Paterson. In this incredibly Australian song, a jolly swagman jumps into a billabong to avoid being caught by a trooper for stealing a jumbuck.

ANSWER: “**Waltzing Matilda**”

< Dylan Bowman | *Music* >

5. The title character of this dialogue claims that his interlocutor is Daedalus, keeping his arguments from standing still. For 10 points each:

[10] Name this work whose title character discusses with a man whether something is pious because it is loved by the gods, or the gods love it because it is pious.

ANSWER: **Euthyphro**

[10] Euthyphro discourses with this quizzical man, Plato’s teacher and the primary speaker in many of Plato’s dialogues.

ANSWER: **Socrates**

[10] In this Platonic Dialogue, the title character makes the “third man” argument against the theory of forms. In this dialogue, a young Socrates meets Zeno of Elea and the title philosopher.

ANSWER: **Parmenides**

< Ethan Ashbrook | *Philosophy* >

6. In the 1700s, these articles of clothing were worn by European noblemen to flaunt their legs. For 10 points each:

[10] Name these shoes, examples of which include stilettos and wedges.

ANSWER: **high heels** [prompt on heels]

[10] This French shoe designer sued Yves Saint-Laurent over use of his signature stiletto style featuring a notable lacquered red sole.

ANSWER: Christian **Louboutin** (*loo-boo-tan*)

[10] This Malaysian shoe designer created his namesake company with Sandra Choi and Tamara Mellon. After a spread in *Vogue*, he became Princess Diana’s favorite shoe designer.

ANSWER: Jimmy **Choo** [accept Datuk Jimmy **Choo** Yean Keat]

< Iain Carpenter | *Misc - Other Academic* >

7. This theologian broke with the Church of England after he gave preachers in America the ability to administer the sacraments. For 10 points each:

[10] Name this English preacher, who espoused following scripture, tradition, reason, and experience for theological reflection.

ANSWER: **John Wesley** [prompt on Wesley; do **NOT** accept or prompt on “Charles Wesley”]

[10] John Wesley was the founder of this Protestant denomination, the largest mainline denomination in the United States. In 2019, the largest branch of this denomination voted to reaffirm its opposition to LGBT marriages and ordination.

ANSWER: **Methodism** [accept United Methodist Church]

[10] John’s brother Charles Wesley is best known for writing these musical works which are often sung during church services and include “Amazing Grace” and “A Mighty Fortress is Our God”.

ANSWER: **hymns**

< Ethan Ashbrook | *Religion* >

8. This mathematical physicist studied algebraic rings in her later career. For 10 points each:

[10] Name this physicist whose namesake theorem states that every differentiable symmetry of a system’s action corresponds to a conserved quantity such as momentum or angular momentum.

ANSWER: (Amalie) Emmy **Noether**

[10] According to Noether’s theorem, invariance under translation of this quantity implies conservation of energy. The derivative of position with respect to this quantity, measured in seconds, equals velocity.

ANSWER: **time**

[10] Another formulation of Noether’s theorem states that a conserved current, symbolized by this letter, follows the continuity equation. This letter symbolizes both current density and probability current.

ANSWER: **J** (*jay as in Junior*)

< Iain Carpenter | *Physics* >

9. The Taoiseach (*tee-SHOCK*) is a member of the Oireachtas (*ERR-ek-tess*), an example of this type of body. For 10 points each:

[10] Name this body that passes laws and can either be unicameral or bicameral. The British one of these bodies meets in Westminster and consists of the House of Lords and the House of Commons.

ANSWER: **Legislature** [accept **Parliament**; accept **Congress**; accept **Legislative** body]

[10] This first Taoiseach (*tee-SHOCK*) and founder of Fianna Fail (*FEE-ah-nuh FOIL*) declared Irish neutrality in World War II. He was the main architect of the Irish constitution.

ANSWER: Éamon **de Valera** (*ay-MAHN duh va-LAY-ruh*) [accept George **de Valero**; accept Edward **de Valera**; do **NOT** accept or prompt on “Vivion de Valera” or “Sinead de Valera”]

[10] Eamon de Valera left this political party to form the Fianna Fail. This party’s name translates to “We Ourselves.”

ANSWER: **Sinn Fein** [do **NOT** accept or prompt on “Irish Republican Army”]

< Sarod Nori | *Classics, Britain or Commonwealth, Other History* >

10. This woman's grandmother burns Plum alive with kerosene, and her mother dies after her dress catches on fire. For 10 points each:

[10] Name this title character -- a resident of Bottom and friend of Nel Wright.

ANSWER: **Sula** Peace [prompt on Peace]

[10] This author of *The Bluest Eye* and *Beloved* wrote *Sula*.

ANSWER: Toni **Morrison** [or Chloe Ardelia **Wofford**]

[10] In *The Bluest Eye*, after Pecola is raped by her father, this narrator and her sister Freida plant some marigold seeds hoping that the seeds blooming will be a sign that Pecola's child will live.

ANSWER: **Claudia MacTeer** [accept either name]

< Ethan Ashbrook | *Long-Form Fiction* >

11. This man variously worked with Natalia Goncharova, Coco Chanel, and Joan Miró to help design sets and costumes. For 10 points each:

[10] Name this man who employed the dancer Vaslav Nijinsky and the choreographer Michel Fokine in his company, the Ballets Russes (*bah-lay roos*).

ANSWER: Sergei (Pavlovich) **Diaghilev**

[10] Fokine re-choreographed this plotless *ballet blanc* for the first season of the Ballet Russes, in which female spirits dance in the moonlight. This ballet's music uses the Military Polonaise and other works by Frédéric Chopin.

ANSWER: **Les Sylphides** [or *The Sylphs*; prompt on *Chopiniana*; prompt on *Sylphides*; do not accept "*La Sylphide*"]

[10] *Les Sylphides* featured the ballerina Anna Pavlova, who is credited with creating the modern version of shoes for performing this technique where dancers move on the tips of their toes.

ANSWER: en **pointe**

< Bryan Lu | *Other Fine Arts* >

12. Heroic outlaws are a staple of folk stories. Answer some questions about them. For 10 points each:

[10] This lover of Maid Marian and friend of Little John and Will Scarlet is frequently depicted antagonizing Prince John and the Sheriff of Nottingham with his Merry Men.

ANSWER: **Robin Hood**

[10] This character's story first appears in the *White Book of Sarnen*, which lists this figure as a conspirator in the Rutli oath. This character's most famous act resulted from failing to remove his hat at the sight of Albrecht Gessler, after which some sources say this character shot Gessler with a crossbow.

ANSWER: William **Tell**

[10] Ishikawa Goemon, a Japanese heroic outlaw, was said to have been executed in this manner as punishment for trying to kill Toyotomi Hideyoshi. In Greek myth, Minos was killed in this manner by the daughters of Cocalus.

ANSWER: **boiling** [accept any answer about using **hot water** to kill someone]

< Bradley McLain | *Mythology, Legends, and Stories* >

13. This president won the Election of 1920 with a campaign that promised a “return to normalcy.” For 10 points each:

[10] Name this 29th president whose presidency was scandalized by the Teapot Dome Scandal.

ANSWER: Warren G(amaliel) **Harding**

[10] This former senator from New Mexico was Harding’s Secretary of the Interior who was imprisoned after leasing naval oil reserves to Harry Sinclair and Edward Doheny as part of the Teapot Dome Scandal.

ANSWER: Albert Bacon **Fall**

[10] This man was Harding’s Attorney General and one of the leaders of the “Ohio Gang.” This man was forced to resign his position of Attorney General by Calvin Coolidge and was replaced by Harlan Fiske Stone.

ANSWER: Harry M(icajah) **Daugherty**

< Mitch McCullar | *US History* >

14. In one novel, this character is fascinated by the blind poet Shaper. For 10 points each:

[10] Name this title character of a John Gardner novel and descendant of Cain. In another work, this character’s arm is torn off and hung from the rafters of Heorot.

ANSWER: **Grendel**

[10] Grendel is killed by the title character of this Old English epic poem.

ANSWER: **Beowulf**

[10] This Old English word begins the poem. This word is thought to mean “Listen;” however, Seamus Heaney translated this word as “So.”

ANSWER: **hwæt** (sounds like “cat” or “wait”)

< Mitch McCullar | *Misc Literature* >

15. Answer some questions about discoveries that laid the foundation for the science of plate tectonics. For 10 points each:

[10] This theory was formulated after scientists noticed a symmetrical striping pattern of normal and reversed magnetic polarities along mid-ocean ridges. It was first published in a 1963 version of the journal *Nature*, where it provided evidence that the Earth’s magnetic poles occasionally reverse.

ANSWER: **Vine-Matthews-Morley** Hypothesis

[10] The discoverers of the Vine-Matthews-Morley hypothesis noticed that samples of this rock tended to be of the same age at similar distances on either side of mid-ocean ridges. It constitutes much of the oceanic crust and can form pillow lava when it comes in contact with water.

ANSWER: **basalt**

[10] Vine, Matthews, and Morley’s discovery backed up the theories of this scientist, who outlined the theory of seafloor spreading one year before the Vine-Matthews-Morley hypothesis thoroughly backed it up with geomagnetic evidence.

ANSWER: Harry (Hammond) **Hess**

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

16. The speaker of one poem asks this woman for a “thousand kisses, then a hundred.” For 10 points each:

[10] Name this woman who was believed to be Clodia. The speaker of another poem mourns this woman’s dead sparrow who was “sweeter than honey.”

ANSWER: **Lesbia**

[10] This Roman poet wrote many poems to Lesbia, as well as a poem mourning the loss of his brother, “Ave Atque Vale.”

ANSWER: Gaius Valerius **Catullus**

[10] The speaker of one poem by Catullus tells Asinius Marrucinus to write “300 hendecasyllabic verses” or return one of these items that Asinius stole.

ANSWER: **napkins** [accept “Saetaban **napkins**”]

< Mitch McCullar | *Non-Epic Poetry* >

17. This battle was part of a consolidation of power that started after Liudolf’s rebellion. For 10 points each:

[10] Name this battle that took place near Augsburg, a victory for the husband of Adelaide and son of Henry the Fowler.

ANSWER: Battle of **Lechfeld**

[10] Otto the Great, the victor at Lechfeld, was crowned by Pope John XII (*twelfth*) as the head of this confederation of mostly German states.

ANSWER: **Holy Roman Empire** [accept **HRE**; prompt on Holy Roman; do **NOT** accept or prompt on “Roman Empire” or “Roman” or “Holy”]

[10] The Magyars, who were defeated at Lechfeld, would go on to establish the Kingdom of Hungary under this member of the Árpád dynasty. This man was canonized by Pope Gregory VII in 1083.

ANSWER: **Saint Stephen** [accept **Stephen I**; accept **Vajk**; accept **Szent István** király; accept **Sanctus Stephanus**; prompt on Stephen; prompt on István; prompt on Stephanus]

< Sarod Nori | *Continental European History* >

18. Ferdinand Munz first synthesized this compound to create an aminocarboxylic alternative to citric acid. For 10 points each:

[10] Name this compound that can sequester ions like calcium and iron. The sodium calcium salt of this compound is used to treat lead poisoning.

ANSWER: **EDTA** [or **ethylene·di·amine·tetra·acetic acid**]

[10] This process involves the bonding of polydentate ligands to a central metal atom. EDTA uses this process to reverse the effects of lead poisoning.

ANSWER: **chelation** [accept word forms like **chelate**]

[10] EDTA is also used in the complexometric form of this procedure along with Eriochrome Black T. The acid-base form of this procedure is used to determine a pH with an indicator like phenolphthalein (*fee-NOL-thay-LEEN*).

ANSWER: **titration** [accept complexometric **titration**]

< Michael Etzkorn | *Chemistry* >

19. This work incorporated Alexandre Kojève's ideas about the progress of civilization towards a universal system of statehood. For 10 points each:

[10] Name this book that argued that history is constantly evolving until it reaches the title concept, which is marked by the spread of liberal democracies throughout the world.

ANSWER: *The **End of History** and the Last Man*

[10] This Japanese-American political scientist wrote the *The End of History and the Last Man*. He also wrote a history and discussion of neoconservatism in *America at the Crossroads*.

ANSWER: Francis **Fukuyama** [accept Yoshihiro Francis **Fukuyama**]

[10] Fukuyama's ideas on history were also inspired by this German thinker, who described history as the course of the "world spirit" in his *Lectures on the Philosophy of History*. This thinker also wrote *The Phenomenology of Spirit*, which introduced his namesake dialectic.

ANSWER: Georg Friedrich Wilhelm **Hegel**

< Ethan Ashbrook | *Social Science* >

20. This Dutch Golden Age artist depicted a boy and girl holding a cat and an eel in one painting. For 10 points each:

[10] Name this genre painter who depicted a man offering coins to an apathetic, embroidering woman in *The Proposition*. She also painted *The Merry Trio* and a self-portrait of her painting a blue violinist.

ANSWER: Judith Jans **Leyster** [accept Judith Jans **Leijster**]

[10] All of Judith Leyster's paintings were originally attributed to this other Dutch artist. This artist painted an owl and a crone in *Malle Babbe* and showed a smiling man in *The Laughing Cavalier*.

ANSWER: Frans **Hals** (the Elder)

[10] This Dutch Golden Age artist may have depicted Antonie van Leeuwenhoek in *The Astronomer* and *The Geographer*. He also depicted his hometown in works like *Little Street* and *View of Delft*.

ANSWER: Johannes **Vermeer** (van Delft) [accept Jan **Vermeer** (van Delft)]

< Iain Carpenter | *Painting and Sculpture* >