

## ILLIAC -- ILLinois Academic Competition -- Round 2

1. **A man in this poem who “wanders and watches with eager ears” later startles “the pigeons from their perch.” In this poem, the “watchful night-wind” seems to whisper ““All is well!”” The title character of this poem sees “the meeting-house windows, blank and bare/ Gaze at him with a spectral glare.” A bay in this poem contains the (\*) “phantom ship” “Somerset,” and its title event takes place on “the eighteenth of April, in Seventy-Five.” A friend in this poem is told to “hang a lantern” in the “North-Church-tower, as a signal light / One if by land, and two if by sea.” For 10 points, name this poem about the “midnight message” of the title American revolutionary, written by Henry Wadsworth Longfellow.**

ANSWER: “**Paul Revere’s Ride**”

< Mitch McCullar | *Non-Epic Poetry* >

2. **This composer described his Second Symphony in E-flat major as a “passionate pilgrimage of the soul.” Yehudi Menuhin premiered this composer’s B-minor Violin Concerto, which features a “windflower” theme. Another concerto by this composer opens with the soloist playing two striking E minor chords. The roles of the (\*) Priest and the Angel of Agony are often sung by the same singer in this composer’s *The Dream of Gerontius*. A 1965 recording by Jacqueline du Pré revived interest in this man’s E-minor Cello Concerto. This composer created a set of variations for his friends that includes the movement “Nimrod.” For 10 points, name this composer of the *Enigma Variations*.**

ANSWER: Sir Edward (William) **Elgar** (1st Baronet OM GCVO)

< Dylan Bowman | *Music* >

3. **J.T. Edward first observed the anomeric effect while studying heteroatom derivatives of this compound such as tetrahydropyran. Connected Newman projections can be used to analyze derivatives of this compound and verify the gauche interactions between a constituent and (\*) flagpole hydrogens. This is the simplest compound to typically be drawn by labelling carbons as “up” or “down” and then drawing constituents as equatorial or axial. This compound is produced from hydrogenation of benzene. For 10 points, name this molecule that comes in “twist-boat,” “boat” and “chair” conformations -- a six-carbon cyclic alkane.**

ANSWER: **Cyclohexane** [prompt on C6H12]

< Iain Carpenter | *Chemistry* >

4 **During one ceremony celebrating the birth of this deity, dough images with a blue flag on their heads were carried during a race. That festival is Panquetzaliztli (*pan-ket-za-LEEZT-lee*). This deity convinced worshippers to stop following his sister, Malinalxochitl (*ma-li-nal-SHO-chee-til*) -- whose son Copil later tried to kill this deity. This deity immediately killed another of his sisters (\*) Coyolxauhqui (*ko-yol-SHAO-kee*) after springing from his mother’s head who was impregnated by a ball of feathers. This brother of Tlaloc and Quetzalcoatl helped establish Tenochtitlan and was depicted a “left-handed hummingbird.” For 10 points, name this Aztec war god, who was propitiated with human sacrifice.**

ANSWER: **Huitzilopochtli** (*WEET-zee-loh-POACH-tlee*)

< Ethan Ashbrook | *Mythology* >

5. **This author defended James Joyce from accusations of being overly-obtuse in the essay “Dante...Bruno. Vico...Joyce.” In one play by this author, a man throws his stuffed black poodle away and gives the nickname “Old Stancher” to a handkerchief. In another of this author’s plays, a character inserts nonsense phrases like (\*) “quaquaquaqua” in a long, rambling dialogue until someone removes his hat. One character created by this author is given a dog biscuit shortly before dying in a trash can. In another play, Pozzo and Lucky walk onto a stage whose only prop is a tree. For 10 points, name this Irish playwright of *Endgame* who wrote about Vladimir and Estragon in *Waiting for Godot*.**

ANSWER: Samuel Barclay **Beckett**

< Ethan Ashbrook | *Drama* >

6. **This artist bought a souvenir ampoule containing 50 cc of air for his patron. Another piece by this artist consists of a small suitcase containing miniatures of his pre-war artworks. Viewers are invited to look through two peepholes at a nude woman in another work by this artist of *Boîte en Valise*. Nine earth toned “Malic Molds” resemble a clothesline in another work by this artist. This artist of (\*) *Étant donnés* and *The Large Glass* also included an upturned *Bicycle Wheel*, and a snow shovel titled *Prelude to a Broken Arm* in some of his exhibitions. This artist’s most famous work is an upside-down urinal signed R. Mutt. For 10 points, name this artist famous for his ‘readymades’ such as his *Fountain*.**

ANSWER: Henri-Robert-Marcel **Duchamp**

< Iain Carpenter | *Painting and Sculpture* >

7. **In humans, this protein is recycled by over 90 distinct enzymes called Dubs. This protein can form branched polymers by binding C-terminal glycine residues to a lysine-48 residue, and initially attaches to target substrates via pest sequences, a ken box motif, or a d-box motif. Receptors on a 19S regulatory cap of a protein (\*) degradation complex recognizes this protein. The human genome has over 600 genes for E3 ligases that catalyze the binding of this protein as a “molecular kiss of death.” This protein tags other proteins for degradation by a proteasome. For 10 points, name this small protein that gets its name from its universal presence in cells.**

ANSWER: **ubiquitin** [accept **polyubiquitin**; do not accept or prompt on “deubiquitinase” or “E3 ubiquitin ligase”]

< Michael Etzkorn | *Biology* >

8. **According to Richard Crampton, this leader gave strike ringleaders “medical treatment” by exposing them to five minutes of X-rays in the hopes of giving them cancer after a miner strike. A generation called the *decreșei* partly grew out of an initiative of this leader that declared women with ten children to be “heroine mothers.” Kim Il Sung’s *Juche* ideology heavily inspired this leader’s 17 (\*) “July Theses.” This successor of Gheorghe Gheorghiu-Dej (*gyor-gay gyor-goo dez*) employed a secret police force known as the Securitate. He and his wife Elena were executed by firing squad on live TV on Christmas Day. For 10 points, name this Romanian dictator, who led his country from 1967 to 1989.**

ANSWER: Nicolae **Ceausescu** (*nee-ko-LIE chow-SHES-coo*)

< Jonathan Lau | *Continental Europe History* >

9. In one work, this thinker argued that “a colour or figure can be like nothing but another colour or figure” to argue against resemblances. An essay by G.E. Moore argued that this thinker “supposed what was false” in an attack of a modern form of one of this thinker’s positions. This philosopher labelled the idea that people cannot perceive mind-independent objects his (\*) “master argument,” and he rejected Locke’s notion of primary and secondary qualities. This author of *A Treatise Concerning the Principles of Human Knowledge* developed the maxim “to be is to be perceived.” For 10 points, name this Irish philosopher of *Three Dialogues between Hylas and Philonous*.

ANSWER: George **Berkeley** [accept Bishop **Berkeley**; prompt on Bishop of Cloyne]

< Ethan Ashbrook | *Philosophy* >

10. A leader of this country praised Islam in the Hundred-Word Elegy. Muslim merchants of this country’s Semu caste led the Ipsah Rebellion. In 2014, the imam of this country’s Id Kah Mosque was stabbed to death after telling worshipers not to fall into “traps set by exiled separatists.” The Turkistan Islamic Party seeks independence for this country’s largest (\*) province. This country’s ruling ethnic group carried out a genocide in Dzungaria (*zun-gar-ia*) from 1755 to 1758. In this country, riots in Ürümqi (*oo-room-chee*) were started by ethnic Uyghurs (*wee-gurs*) in 2009. For 10 points, name this country home to the Xinjiang (*shin-jee-ang*) Region and the ethnic Han people.

ANSWER: People’s Republic of **China** [or **Zhōnghuá** Rénmín Gònghéguó; accept **Zhōngguó**]

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

11. In telecommunication, erbium-doped optical fibers or fibers that take advantage of Raman scattering are used to create these devices. These devices can induce unexpected output above their slew rate. The common-mode rejection ratio assesses the ability of the differential type of these devices to reject common voltage. The output of these devices is routed into the non-inverting terminal in a process known as (\*) negative feedback. On circuit diagrams, plus and minus symbols over the two inputs of a triangle represents the operational variety of these devices. Loudspeakers are often driven by one of these devices whose gain is typically much greater than one. For 10 points, name these devices that increase the power of a signal.

ANSWER: electronic **amplifiers** [accept audio **amplifier**; accept negative-feedback **amplifier**; accept operational **amplifier**; or op**amp**; accept differential **amplifier**; accept optical **amplifier**; accept electronic **amplifying vacuum tube**; accept Raman **amplifier**; prompt on vacuum tube]

< Michael Etkorn | *Physics* >

12. After Isaac Crewdson argued that this sect’s members neglected the Bible’s authority, he founded the breakaway Beaconite sect. Members of this denomination call Sunday “First Day.” This sect, which was led by the Valiant Sixty, is organized into regional groups called (\*) Yearly Meetings which are held at Meeting Houses. Members of this group believe in God’s presence through an “inner light” in everybody. Historical members of this group included William Penn and its founder George Fox. For 10 points, name this Christian sect whose name comes from a practice of trembling before God.

ANSWER: **Quakers** [accept Religious Society of **Friends**]

< Ethan Ashbrook | *Religion* >

13. **This man was not a king, but he held the highest position of all the founders of the Order of the Bath. This member of the Kit-Cat Club was opposed by a group led by William Pulteney called the Patriot Whigs. This politician lost popularity after he deferred the execution of Captain John Porteous. After saving Lords Stanhope and Sunderland from imprisonment, this politician earned the nickname (\*)“Screenmaster-General.”** This man resigned from his highest post after Britain lost the Battle of Cartagena de Indias during the War of Jenkins’ Ear. This man had earlier rose to power under George I after the South Sea Bubble collapsed. For 10 points, name this man considered to be the first prime minister of Britain.

ANSWER: Robert **Walpole** [accept 1<sup>st</sup> **Earl of Orford**]

< Mitch McCullar | *Classics, Britain or Commonwealth, Other History* >

14. **As mayor of Bogotá, Antanas Mockus hired 420 members of this profession to mock people into adhering to traffic laws. It’s not a clown, but a famous member of this profession murdered a street-boy with his cane after being heckled with “Pierrot.” Under the stage name Baptiste, Jean-Gaspard (\*)** Deburau acted in this profession and was portrayed by another member of this profession in the movie *Children of Paradise*. The only line in Mel Brooks’ 1976 film *Silent Movie* is ironically delivered by Marcel Marceau who travelled the world to promote this “art of silence.” For 10 points, name this profession which often involves getting trapped in an invisible box.

ANSWER: Pantomime artist [accept word forms like **miming**, prompt on artist; prompt on actor]

< Iain Carpenter | *Other Fine Arts* >

15. **A landlady in this novel insists that guests at Rolliver’s keep their voices down for fear that she should lose her bar “licends.” The protagonist of this novel is placed in a coffin by her sleepwalking lover. That man’s father originally hoped that he would marry the teacher Mercy Chant. In this novel, the protagonist’s father gleefully discovers that he (\*)** is descended from former nobility by Parson Tringham, and this novel’s protagonist later gets the family horse Prince killed. In this novel, authorities arrest the sister of Liza-Lu at Stonehenge for killing the father of the child Sorrow. For 10 points, name this novel about the title woman who murders Alec and marries Angel Clare, written by Thomas Hardy.

ANSWER: ***Tess of the D’urbervilles***

< Mitch McCullar | *Long-form Literature* >

16. **At this location, George Cannon was killed while restoring communications to a command post. Jack Reid mistook a transport fleet for one side's main attack force at another engagement at this location. A group led by Joseph Rochefort identified this location as the identity of AF after cracking the JN-25. William Halsey was sidelined from a battle at this location due to an outbreak of eczema and had to be replaced by (\*)** Raymond Spruance. One side in this battle believed they had sunk two American aircraft carriers when in reality they had simply struck the USS Yorktown twice. For 10 points, name this atoll where four Japanese aircraft carriers were sunk in a 1942 battle, the turning point of the Pacific theater.

ANSWER: **Midway** Atoll [or **Midway** Islands or **Midway** Island]

< Tim Cho / Tyler Vaughan | *US History* >

17. In one novel set in this state, a family gets in a fight with the Forresters over a bear named Slewfoot, and the protagonist Jody Baxter adopts a fawn named Flag after shooting the bear's mother. In another novel set in this state, Ava and Kiwi Bigtree agree to sell the title estate. This state is the setting of a Karen Russell novel and Marjorie Kinnan Rawlings's *The Yearling*. In this state, (\*) Phoebe Watson is told a story about leaving her husband Logan Killicks and needing to shoot her husband for contracting rabies after a hurricane. Tea Cake is from this state's Eatonville which is the setting of a novel about Janie Crawford. For 10 points, name this state, the setting of *Swamplandia!* and *Their Eyes Were Watching God*.

ANSWER: **Florida**

< Ethan Ashbrook | *Long-Form Fiction* >

18. In one book, Lucien Lévy-Bruhl claims that believers in this concept commit the *post hoc, ergo propter hoc* fallacy. Edward Tylor wrote about the “folly” of this concept, which he called “false science” in his book *Primitive Cultures*. In one book, Evans-Pritchard discussed how one group of people attribute mishaps to this concept. In a (\*) Malinowski work titled for this concept, he argued that the Trobriand Islanders used this practice for farming. The aforementioned works are *Among the Azande* and *Coral Gardens and [this concept]*. For 10 points, name this concept often used by Shamans that can involve witchcraft and spells.

ANSWER: **magic** [accept synonyms like **sorcery**; accept **witchcraft** or **spells** before mentioned]

< Ethan Ashbrook | *Social Science* >

19. Russian engineers like Vladimir Krushev hypothesize an endless source of this substance in a theory about the prevalence of its abiogenetic formation. Saturation, porosity, and volume are multiplied together in the OIP estimation for this substance. This substance has its density compared to water when measuring its API gravity. The catalytic breakdown of this substance is assisted by (\*) zeolites when processing this substance through cracking. Secondary recovery of this substance involves gas injections followed by horizontal drilling. This substance's seep leads to the formation of tar pits. In addition to brine and natural gas, fracking can be used to extract this substance. For 10 points, name this liquid fossil fuel that can be refined into gasoline.

ANSWER: **petroleum** [accept **crude oil**; prompt on **oil**; prompt on **hydrocarbons**; prompt on **alkanes**]

< Michael Etzkorn | *Other Science - Engineering* >

20. The day before this event ended, Justin Amash wrote on Twitter that he was amazed Wilbur Ross was nominated given that “he doesn't understand basic economics.” **A month after this event**, a central figure responded to Peter Alexander's question by responding “Everything else --I don't know what to do with it -- we have so much money” and said “I didn't need to do this” after declaring a (\*) national emergency. This event occurred from December 22nd to January 25th, totalling thirty-five days, the longest in U.S. history. It was sparked, in part, by demands for 5.7 billion dollars in federal funding to build a U.S. - Mexico border wall. For 10 points, name this event that occurred when president Donald Trump and Congress could not agree on a budget.

ANSWER: 2018-2019 **government shutdown** [accept descriptions of the U. S. **government** being **shutdown**; do **NOT** accept or prompt on “National Emergency”]

< Michael Etzkorn | *Misc - Current Events* >

BONUSES:

1. Answer some questions about who John Galt was. For 10 points each:

[10] John Galt originally works at one of these places and leaves after the company's heirs announce that they will begin paying people based on need, leading to rampant corruption and its ultimate downfall.

ANSWER: **car factory** [accept obvious equivalents like "**motor company**"; accept **Twentieth Century Motor Company**]

[10] John Galt appears as a Messianic figure in this novel which follows characters like Dagny Taggart and Hank Rearden as they struggle to keep their businesses afloat against burdensome laws.

ANSWER: ***Atlas Shrugged***

[10] John Galt was created by this Russian-American objectivist author of *Atlas Shrugged*. She also wrote *The Fountainhead*.

ANSWER: Ayn **Rand** [Alisa Zinovyevna **Rosenbaum**]

< Ethan Ashbrook | *Long-Form Fiction* >

2. Name some American currencies that experienced depreciation. For 10 points each:

[10] This fiat paper currency was issued by Congress during the American Revolution. Because of overprinting and British counterfeiting, this currency was worthless by 1781, giving rise to the phrase "not worth a [this currency]."

ANSWER: **continental** currency

[10] This other currency, nicknamed Greybacks, rapidly lost value during the American Civil War. After the government that issued them surrendered at Appomattox Court House, this currency became worthless.

ANSWER: **Confederate** States of America **dollars** [prompt on **dollar** bill; prompt on answers involving **Confederacy money** or **currency** that does not use the words "Confederate dollar"; do not accept or prompt on "U.S. dollar"]

[10] The American dollar was speculated to depreciate in response to the Federal Reserve implementing a strategy of quantitative easing in the midst of this financial crisis. Either the general name or the year is fine.

ANSWER: **Great Recession** [accept Financial Crisis of **2007-2008** with at least one year mentioned; prompt on answers describing the subprime **mortgage** banking crisis; prompt on answers mentioning the **housing** bubble]

< Nathan Fredman | *US History* >

3. Answer the following questions about famous crowns in history. For 10 points each:

[10] This kingdom's golden crowns show strong influences from Siberian shamanism and were excavated from this kingdom's Gold Crown and Heavenly Horse Tombs. This kingdom defeated the Baekje and Goguryeo to end the Three Kingdoms period.

ANSWER: **Silla** [accept **Shilla**; prompt on **Korea**; do **NOT** accept or prompt on "North Korea" or "South Korea"]

[10] This ruler is the current owner of the Imperial State Crown of the United Kingdom which contains the Cullinan II diamond.

ANSWER: Queen **Elizabeth II** [prompt on **Elizabeth**; do **NOT** accept or prompt on "Queen Elizabeth I" or "Queen Elizabeth, the Queen Mother"]

[10] The largest cut diamond in the world is this diamond whose name is Persian for "Mountain of Light."

ANSWER: **Koh-i-Noor**

< Jonathan Lau | *Classical, Commonwealth or Britain, Other History* >

4. *In vivo*, Vitamin C has one of these moieties. For 10 points each:

[10] Name this moiety consisting of a hydroxyl group attached to a double bond.

ANSWER: **enols** [or **alkenols**]

[10] Enols are transformed into enones in the "aldol" form of this reaction that shares its name with a phase transition from gas to liquid.

ANSWER: **condensation** [accept aldol **condensation**]

[10] An aldol condensation is combined with this reaction in Robinson annulation. This reaction is the addition of a nucleophile to an alpha-beta unsaturated carbonyl compound.

ANSWER: **Michael** addition [accept **Michael** reaction]

< Dylan Bowman | *Chemistry* >

5. Name some things about the composer of the German national anthem. For 10 points each:

[10] This symphony was written as a complaint against its composer's patron Nikolaus Esterhazy. Its performers blow out candles as they leave the stage.

ANSWER: "**Farewell**" Symphony [accept **but do NOT otherwise reveal** Symphony No. **45** in F-sharp minor by Franz Joseph **Haydn**]

[10] This Austrian classical composer of the "Surprise" Symphony wrote the "Farewell" Symphony. It would take you a little over 40 hours to listen to all 106 of this composer's symphonies.

ANSWER: Franz Joseph **Haydn**

[10] The "Farewell" Symphony is the only popular symphony of the 18th century to be in this minor key. The symphony begins with this note, the tonic, followed by a low C-sharp in a falling arpeggio.

ANSWER: **F-sharp** minor [do **NOT** accept or prompt on just "F"; do **NOT** accept or prompt on "G-flat"]

< Dylan Bowman | *Music* >

6. This national park contains a rock formation called Thor's Hammer and a vista known as Fairyland Point. For 10 points each:

[10] Name this national park which consists of a series of red-rock amphitheatres along the Paunsaugunt Plateau and contains numerous hoodoos.

ANSWER: **Bryce Canyon** National Park

[10] Bryce Canyon National Park is located in this state, whose other national parks include Capitol Reef and Arches. This state is home to the headquarters of the Mormon Church, the Salt Lake Temple.

ANSWER: **Utah**

[10] This tribe, first encountered by the Escalante-Dominguez expedition, believed that the hoodoos at Bryce Canyon were once "the Legend people," but were turned to stone by Coyote. This people helped the Mormons in the Mountain Meadows Massacre.

ANSWER: Southern **Paiute** [do **NOT** accept or prompt on "Ute"]

< Jonathan Lau | *Misc - Geography* >

7. Answer some questions about doggos in literature. For 10 points each:

[10] This novel begins and ends with the sentence "Barrabas came to us by sea." Unfortunately, the goodboy Barrabas dies during an engagement party for a woman who speaks for the first time in 9 years and a man who built Las Tres Marías.

ANSWER: **House of the Spirits** [or *La casa de los espíritos*]

[10] In this novel by Milan Kundera, the woofers Karenin dies due to cancer in his leg while Tomáš and Tereza are living out in the countryside.

ANSWER: *The Unbearable Lightness of Being* [or *Nesnesitelná lehkost bytí*]

[10] In Mikhail Bulgakov's *Heart of a Dog*, Professor Preobrazhensky transplants a criminal's pituitary glands and testicles into this doggo in an effort to create a primitive human. Give either the name that this pupper is given upon adoption by the Professor or his new human name.

ANSWER: **Sharik** [or **Poligraf** Poligrafovich **Sharikov**; accept any underlined name]

< Ethan Ashbrook | *Misc Literature* >

8. Answer some questions regarding genetic diseases caused by trinucleotide repeats. For 10 points each:

[10] The Friedreich's type of this condition is caused by extra intronic GAA repeats leading to reduced expression of the mitochondrial protein FXN. This condition usually manifests itself in an abnormal gait.

ANSWER: **ataxias** [or Friedreich's **ataxia**]

[10] Huntington's disease is one of nine neurological disorders characterized by excess repetition of this trinucleotide sequence.

ANSWER: **CAG** [or **cytosine-adenine-guanine**]

[10] In a disease named for this chromosome, CCG repeats in the FMR1 gene cause the chromosome to take on a "fragile" appearance. Turner syndrome occurs when only one copy of this sex chromosome is present.

ANSWER: **X** chromosome

< Jonathan Lau | *Biology* >

9. Many artists have been influenced by mental illness. For 10 points each:

[10] Psychiatrist Étienne-Jean Georget (*et-tea-yan zhawn zhor-zhay*) commissioned this artist to paint asylum inmates including his *Portrait of a Kleptomaniac*. He also painted *The Charging Chasseur*.

ANSWER: (Jean-Louis André) Théodore **Géricault**

[10] This artist depicted people marching forward and creepily staring at the viewer in his *Anxiety*. This artist's painting series *The Frieze of Life* includes his painting *The Scream*.

ANSWER: Edvard **Munch**

[10] Before becoming an artist, this man studied mental illness in medical school. He defined Surrealism as "pure psychic automatism" in his *The Surrealist Manifesto*.

ANSWER: André **Breton**

< Iain Carpenter | *Painting and Sculpture* >

10. This man developed a comparison between an asset's market value and reproduction value in his namesake "q ratio." For 10 points each:

[10] Name this economist who gives his name to a type of tax on currency exchanges.

ANSWER: James **Tobin**

[10] Tobin created a simplification for a person optimizing their utilities by assuming an inherent tradeoff between expected return and this measure of failure. The Arrow-Pratt Measure quantifies aversion to this measure.

ANSWER: **risk**

[10] James Tobin was part of a school developed from this economist's writings which include his *General Theory of Employment, Interest and Money*.

ANSWER: John Maynard **Keynes**

< Ethan Ashbrook | *Social Science* >

11. Name some trickster figures from mythology. For 10 points each:

[10] This trickster god brought a python, leopard, and a group of hornets to Nyame in exchange for all of the world's stories. In another story, this god killed a dwarf and hid him in a tree in an attempt to make rain.

ANSWER: **Anansi** [accept **Ananse**, Kwaku **Ananse**, or **Nancy**]

[10] This figure's many troubled experiences included killing the evil Tuna and being wrapped in his mother's hair and thrown in the sea. This hero used his magical fish hook to raise the Polynesian islands from the ocean.

ANSWER: **Māui** (*mow-ee*)

[10] Young women often feared this flute-playing trickster, who would use his detachable penis and sack of unborn children to make girls pregnant, which is why he's associated with fertility.

ANSWER: **Kokopelli** [accept **Kokopilau**, **Neopkwai'i**, or **Ololowishkya**]

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

12. The directors of *Night and Fog* and *400 Blows* were from this country. For 10 points each:

[10] Name this country whose “New Wave” movement included the directors Alain Resnais and François Truffaut.

ANSWER: **France** [or the **French Republic**; or **République française**]

[10] In this French New Wave film, the Humphrey Bogart-admiring criminal Michel runs away from the police with the Jean Seberg played Patricia Franchini until he is shot in the street at the end of the film.

ANSWER: **Breathless** [accept **À bout de souffle**]

[10] This French New Wave director wrote and directed *Breathless*. This Marxist director was known for his extensive and innovative use of jump cuts in films like *Week-end* and *Vivre sa vie*.

ANSWER: Jean-Luc **Godard**

< Iain Carpenter | *Other Fine Arts* >

13. Answer the following about Islamic wedding practices. For 10 points each:

[10] Originally from the Indian subcontinent, this form of body art is also commonly used by Muslim brides from the Middle East and Southeast Asia. This form of art is typically made with henna paste.

ANSWER: **mehndi**

[10] Some Islamic scholars consider this first wife of Muhammad to be the ideal example for a Muslim bride.

ANSWER: **Khadija** bint Khuwaylid [accept **Khadija** al-Kubra or **Khadija** the Great]

[10] In Islamic marriages, this payment to the groom’s parents is frequently made. In some Islamic countries, this payment is considered a mandatory part of Islamic law and must be paid by the bride’s family.

ANSWER: **dowry**

< Brad McLain | *Religion* >

14. This tool can be used to determine the direction of angular momentum. For 10 points each:

[10] Name this anatomical physicist tool that helps determine the direction of cross products, by curling the fingers parallel to rotation and noting where the thumb points. It is the subject of many namesake “rules” involving orientation of 3-dimensional space.

ANSWER: **right hand** [accept **right hand rule**; prompt on **hand**; do **NOT** accept or prompt on “Left Hand”]

[10] For a current running through a loop, the right hand rule can be used to determine this quantity. This quantity crossed with magnetic field equals the torque that an object feels in a magnetic field.

ANSWER: **magnetic moment** [accept **Magnetic Dipole Moment**; prompt on dipole **moment**]

[10] This quantity, symbolized omega, describes how fast a fluid is spinning around a point. This quantity’s direction is found by curling the fingers in parallel to the fluid’s rotation.

ANSWER: **vorticity**

< Iain Carpenter | *Physics* >

15. The speaker of this poem claims “Death is the mother of Beauty.” For 10 points each:

[10] Name this poem that ends by detailing the “ambiguous undulations” that “flocks of pigeons” make “as they sink/ downward to darkness, on extended wings.”

ANSWER: “**Sunday Morning**”

[10] “Sunday Morning” is by this insurance company executive who also wrote the poems “The Emperor of Ice Cream” and “Thirteen Ways of Looking at a Blackbird.”

ANSWER: Wallace **Stevens**

[10] Stevens’ poem “Disillusionment of Ten O’Clock” ends with “an old sailor” catching [these animals] “in red weather.” The speaker of a poem by a different author titled for one of these animals asks “what art/ Could twist the sinews of thy heart?”

ANSWER: **tigers** (the second poem is “The Tyger”)

< Mitch McCullar | *Non-Epic Poetry* >

16. Answer some questions about the history of some islands in Europe that are not Great Britain or Ireland. For 10 points each:

[10] Pasquale Paoli declared a republic on this island in 1755 after it won its independence from the Republic of Genoa. This French island is the birthplace of Napoleon Bonaparte.

ANSWER: Collectivity of **Corsica** [or Collectivité territoriale de **Corse**; or Cullettività territoriale di **Corsica**; do NOT accept or prompt on “Corsu” or “Corsican” or “Corsa”]

[10] This Norwegian territory’s namesake treaty regulates commercial and military activities. This Arctic archipelago is home to one of the largest seed banks in the world -- the Global Seed Vault.

ANSWER: **Svalbard** [prompt on **Spitsbergen**; do NOT accept or prompt on “Jan Mayen”]

[10] This Nordic city, once known as “Gamla stan,” is spread across fourteen islands. In 1520, Christian II led this city’s namesake “bloodbath.”

ANSWER: **Stockholm**

< Sarod Nori | *Continental Europe History* >

17. One character in this play cuts his arm after having a fake sword fight with his brother to make his father believe his brother is evil. For 10 points each:

[10] Name this Shakespeare play whose title king divides his land between his daughters Goneril and Regan.

ANSWER: **King Lear**

[10] This son of Gloucester (*Gloss-ter*) is one of the main villains in *King Lear*. In one speech, this character mocks the word “legitimate” and asks “Why bastard? Wherefore base?”

ANSWER: **Edmund**

[10] A comical character in *King Lear* is King Lear’s Fool, who refers to Lear with this word, which may suggest familial relations between the two.

ANSWER: **nuncle** [do NOT accept or prompt on “uncle”] (nuncle means “mine uncle”)

< Mitch McCullar | *Drama* >

18. This city was once the center of the Sogdian civilization. For 10 points each:

[10] Name this city where astronomy hobbyist and sultan Ulugh Beg compiled the Zij-i-Sultani star catalogue. People would gather to hear royal proclamations and watch executions in this city's Registan Square.

ANSWER: **Samarkand**

[10] Samarkand was a major hub on this ancient trade route whose name derived from the trade of a profitable textile fiber produced from a certain worm.

ANSWER: **Silk Road**

[10] In order to promote merchants to trek the Silk Road, these buildings were set up to give travellers a place to rest. These Persian inns were built outside of towns unlike their *Khan* counterpart.

ANSWER: **caravanserai** [or **caravansaries**]

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

19. Based on the design of this computer program, it can be categorized as “micro” or “monolithic.” For 10 points each:

[10] Name this computer program that manages scheduling and memory, often referred to as “the heart” of an operating system.

ANSWER: **kernel**

[10] When designing a system call script to be run by the kernel, the script must ensure that this task is performed after execution so that a user program's kernel stack is correctly managed. Alan Turing showed that a “problem” named for this task is undecidable on Turing machines.

ANSWER: **halting** [or **halt**; do **NOT** accept or prompt on synonyms]

[10] Operating system programs need to interact with control registers using assembly languages like this Intel assembly language which can be written using AT&T syntax. IA-32 employs this assembly language which allows an operating system to make use of paging and segmentation.

ANSWER: **x86** assembly language [or **x86** assembler; prompt on **86**]

< Michael Etzkorn | *Other Science - CS* >

20. Stephen Greenblatt used one of this man's ideas to title his work about the birth of the Renaissance. For 10 points each:

[10] Name this ancient philosopher who introduced the principles of atomism to the Romans in his poem *De rerum natura*, or “On the Nature of Things.”

ANSWER: Titus **Lucretius** Carus

[10] Lucretius was a follower of this man, who advocated striving for ataraxia, or freedom from distress. He names a school of philosophy which seeks pleasure as the ultimate goal in life.

ANSWER: **Epicurus**

[10] Epicurus argued that the clinamen, or swerve, of atoms allows for this concept. Compatibilism argues that this concept can coexist with determinism.

ANSWER: **free will**

< Ethan Ashbrook | *Philosophy* >