

ILLIAC -- ILLinois Academic Competition -- Round 6

1. **In one work, this thinker concluded that Jesus was the only person with free will because will isn't free if it comes in contact with sin. This author of *On Free Choice of the Will* claimed that language is acquired through inferring the names of objects, which was critiqued in Wittgenstein's *Philosophical Investigations*. This thinker argued that time was a "distension" of (*) memory, concluding that God did not create the world in 6 days, but in an instant. This thinker conceptualized history as conflict between the Earthly City and the title location in *The City of God*. For 10 points, name this early Christian philosopher who described his conversion from Manichaeism in *Confessions*.**

ANSWER: Saint **Augustine** of Hippo [accept **Augustinus**]

< Ethan Ashbrook | *Philosophy* >

2. **In this musical, a group of women say "all right boys. Revolve!" after men shout "we gotta start a revolution!" when they hear a story about a marriage forced at gunpoint. A long ballet dream sequence in this musical begins after a character drinks the Elixir of Egypt and features the song "Out of My Dreams." A woman in this musical agrees to go to the dance with (*) Jud Fry before the male lead buys a "Surrey with the Fringe on Top." This musical opens and closes with the song "Oh What a Beautiful Mornin'." For 10 points, name this Rodgers & Hammerstein musical about Curly and Laurey living in the title Western territory.**

ANSWER: **Oklahoma!**

< Ethan Ashbrook | *Other Fine Arts* >

3. **One thought experiment proposed by this scientist is resolved by scaling entropy by N factorial. With J.J. Thomson, this man names an equation describing vapor pressure and chemical potential on a curved surface. His namesake paradox dealt with the distinguishability of particles allowing for a decrease in (*) entropy. When temperature and pressure are held constant, the partial derivative of a quantity named for this scientist with respect to particle number is equal to chemical potential. A quantity named for this chemist is equal to enthalpy minus the product of entropy and temperature and is similar to a quantity named for Helmholtz. For 10 points, identify this American chemist who names a type of free energy.**

ANSWER: Josiah Willard **Gibbs**

< Dylan Bowman | *Chemistry* >

4. **During a battle in this state, William Hazen defended the Round Forest which was nicknamed "Hell's Half-Acre." At another battle in this state, Union forces seized Orchard Knob. Despite thousands of troops in this state relocating after the fall of Fort Henry, Simon Bolivar Buckner still failed to defend (*) Fort Donelson. Braxton Bragg was recalled to Richmond due to his disastrous command in this state. Albert Sidney Johnston died at a battle in this state which was home to a Union forces' position nicknamed the "Hornet's Nest." Ulysses Grant earned the nickname "unconditional surrender" in, for 10 points, what state, the site of battles at Chattanooga and Shiloh?**

ANSWER: **Tennessee**

< Mitch McCullar | *US History* >

5. A targeting signal that designates proteins for shipping to this organelle contains a carboxyl-terminated tripeptide sequence of serine-lysine-leucine. Crystalline cores of urate oxidase in these organelles typically show up as dark spots on electron micrographs. A faulty receptor of this organelle causes buildup of phytanic acid in Refsum disease. A defect in protein importing results in a non-functional version of these organelles in (*) Zellweger syndrome. These organelles use catalase enzymes to oxidize various alcohols and aldehydes. For 10 points, name these small organelles which perform beta oxidation and synthesize hydrogen peroxide.

ANSWER: Peroxisomes [accept Glyoxysomes; do NOT accept or prompt on "peroxide"]

< Jonathan Lau | *Biology* >

6. In one play by this author, a fisherman is upset that he cannot keep a trunk that he fished out of the sea, whose contents reveal that its owner is Daemones' daughter. The title character of another play by this author reunites Calidorus with his love Phoenicium after tricking the soldier Harpax. In a different play by this author, Sceledrus is tricked into believing he saw Honoria, a twin sister of Philocomasium. The title object of one work by this author is stolen from (*) Euclio, who was told about its whereabouts by the Lars Familiaris. In addition to *Rope*, this author detailed Palaestrio's rescue of Pleusicles' lover from Pyrgopolynices, the title vain soldier. For 10 points, name this Roman comic playwright of *Pot of Gold* and *Miles Gloriosus*.

ANSWER: Titus Maccius Plautus (the unnamed play is *Pseudolus*)

< Mitch McCullar | *Misc Literature* >

7. One poem by this author compares the title creature to "God's lioness" and describes "the child's cry" that "melts in the wall." The speaker of a poem by this author says that "I shut my eyes and all the world drops dead" and repeats the parenthetical phrase "I think I made you up inside my head." The speaker of another poem by this author asks their (*) "enemy" if their "featureless, fine" face is terrifying, and tells "Herr God" and "Herr Lucifer" to "Beware," since "I eat men like air." This poet described the subject of one of her poems as a "man in black with a Meinkampf look." For 10 points, name this American poet of the collection *Ariel* which includes her poems "Lady Lazarus" and "Daddy."

ANSWER: Sylvia Plath

< Mitch McCullar | *Non-Epic Poetry* >

8. At his death, this politician was taunted by security guards who shouted, "Muqtada, Muqtada," after which he attempted to recite the Shahada Creed twice. This man created the *Osirak* nuclear reactor that was later destroyed in Operation Opera. This author of the novel *Begone, Demons* ordered an attack on the town of (*) Halabja as part of the Al-Anfal campaign. In Operation Red Dawn, this man was captured outside the town of Tikrit. This man was a member of the Ba'ath party, and his hanging was controversially carried out on Eid Al-Adha. For 10 points, name this Iraqi dictator overthrown in 2003.

ANSWER: Saddam Hussein Abd al-Mağīd al-Tikrītī [prompt on either underlined name alone]

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

9. **This god received his most notable feature from Gajasura after Vishnu liberated this god's mother from Gajasura's belly. According to one myth, this god hugged two other deities seven times in order to marry the daughters of Prajapati, Buddhi, and Siddhi. After Soma laughed at this deity when he was wrapped up in a snake, this god attacked the moon. This brother of (*) Skanda transcribed the Mahabharata from Vyasa. This god was created when his mother blew life into tumeric powder, and he was originally created to protect his mother, Parvati, while she bathed. For 10 points, name this Hindu god whose head was cut off by Shiva and replaced with an elephant's head.**

ANSWER: **Ganesh** [accept **Ganapati**; accept **Vinayaka**; accept **Pillaiyar**; accept **Binayak**]

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

10. **One man with this name, who is thought to have constructed Robinson's Arch, ironically sent 2,000 soldiers to support a commander who was invading his country. A man of this name commissioned the construction of the Antonia Fortress in honor of his patron, Marc Antony. Another man with this name was exiled to Gaul for conspiracy against Caligula, and that man's grandson presided over the trial of (*) Paul the Apostle along with his sister Bernice. A ruler of this name executed John the Baptist at the request of Salome. For 10 points, give this common name of four Judean kings under Roman control, the first of which attempted to kill Jesus after being tricked by the Magi.**

ANSWER: **Herod** [accept Herod **Agrippa** II before "Antonia Fortress"; accept **Herod** the Great; accept **Herod** Antipas or **Herod** Antipater; accept **Herod** Agrippa I; do NOT accept "Herodias"]

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

11. **A tone poem named for this type of location was the first to be pressed onto a compact disc and makes an early documented use of the heckelphone. This type of place titles a *sinfonia concertante* that begins with an English horn solo; that piece was originally scored as a *fantasie for piano and orchestra* and was composed by Vincent d'Indy (*van-SAWN dan-DEE*). Another work titled after this kind of location was written for the (*) opera *St. John's Eve*. This type of geographical feature titles a 22-movement tone poem by Richard Strauss. A Modest Mussorgsky work titled after this type of location depicts the night of a witches' sabbath. For 10 points, name this geographical feature depicted in *An Alpine Symphony*.**

ANSWER: a **mountain** [accept *Night on Bald **Mountain***; accept *Symphony on a French **Mountain** Air*, prompt on "alpine" or any answers referring to the alps]

< Dylan Bowman | *Music* >

12. **This faith's belief in acceptance of the divine will is known as "Chardi Kala," an idea espoused by the Ardas prayer. Worshipers in this religion believe in Naam Japo, the need to remember God. This religion's holy text contains writings from various "sants" and is ceremonially (*) wrapped and unwrapped every day. This religion venerates the teachings of a man who created the Khalsa by calling forth five volunteers to be decapitated. Members of this religion wear five articles of faith, such as a comb and dagger, which are collectively known as the five K's. For 10 points, name this Indian religion founded by Guru Nanak, whose holy text is the *Adi Granth*.**

ANSWER: **Sikhism** [accept **Sikhi**]

< Ethan Ashbrook | *Religion* >

13. In one part of this novel, a boy nicknamed “Figs” starts to write a letter to his mother until he is interrupted by the bully Cuff. One character in this novel leaves his wife after finding her hidden bank records and is appointed governor of Coventry Island. A soldier in this novel attempts to escape Brussels by purchasing an overpriced carriage from a woman who has an affair with the (*) Marquis of Steyne. Earlier in this novel, George Osborne dies at the Battle of Waterloo, and his widow later marries William Dobbin. This novel opens by describing Miss Pinkerton’s Academy, a school that enrolls Amelia Sedley and Becky Sharp. For 10 points, name this “novel without a hero” by William Makepeace Thackeray.

ANSWER: Vanity Fair: *A Novel Without a Hero*

< Ethan Ashbrook / Mitch McCullar | *Long-Form Fiction* >

14. During one event in this country, a song by banned musician Zeca Afonso was used as a signal to begin military operations. The PIDE was a secret police force in this country that was transformed into the DGS before finally being abolished in 1974. This country spent 40% of its annual national budget in an attempt to maintain its African possessions in the decade-long (*) Colonial War, a conflict so unpopular it led to a coup by the MFA. Marcelo Caetano was removed from power in this country as a result of the Carnation Revolution. The Estado Novo ruled in, for 10 points, what country where Antonio Salazar ruled as a dictator from Lisbon?

ANSWER: Portugal [accept Estado Novo before it is read; accept Second Republic]

< Tyler Vaughan | *Continental Europe* >

15. Fluctuations in this phenomenon are significantly smaller than predicted by models according to Robert Shimer’s puzzle. Karl Marx argues that large-scale products motivate this phenomenon, resulting in the formation of a “reserve army.” This phenomenon is related to vacancy on the (*) Beveridge curve. This phenomenon is inversely proportional to GDP growth according to Okun’s Law. On the Phillips Curve, the percent of this phenomenon decreases as inflation increases. This phenomenon comes in varieties like “cyclical,” “structural,” and “frictional.” For 10 points, name this phenomenon where willing-to-work people can’t find jobs.

ANSWER: unemployment [accept unemployment rate; prompt on descriptions like looking for work]

< Ethan Ashbrook | *Social Science* >

16. In representation theory, every element of a group is described by one of these objects. Two of these objects are equivalent if they can be related by a similarity transform. The Cayley-Hamilton theorem states that these objects solve their own characteristic polynomial. Singular values can be obtained for these objects by calculating the (*) eigenvalues of these objects multiplied by their conjugate transpose. Coordinate transformation can be done with the Jacobian variety of them. A system of linear equations can be solved with one of these objects using Gauss-Jordan elimination or Cramer’s rule. For 10 points, name these rectangular arrays of elements made up of rows and columns.

ANSWER: matrices [or matrix; accept linear operators; accept linear transformations; accept symmetric matrices; accept square matrices]

< Iain Carpenter | *Other Science - Math* >

17. A critic imagined a conversation about this painting between two people over an art catalogue where one asks what the “innumerable black tongue-lickings” in this painting are meant to represent. This painting was compared to incomplete wallpaper patterns by Louis Leroy (*lou-EE luh-RWAH*) who coined the name of the (*) art movement this painting is associated with. Blue smoke stacks and orange light break through a haze in the background of this seascape. In the center of this painting, a shadowy boat floats next to streaks of orange light which seemingly emanates from a solid orange dot. For 10 points, name this painting of the port of Le Havre (*AHV-ruh*), a work by Claude Monet.

ANSWER: Impression, Sunrise [accept Impression, soleil levant]

< Iain Carpenter | *Painting and Sculpture* >

18. When a character in this play is told that singing will only make him sad, he replies “I can suck melancholy out of a song as a weasel sucks eggs.” A nobleman’s story about a wounded deer being abandoned by the herd is discussed in a conversation between a duke and a lord in this play. One character in this play disguises herself as (*) Aliena after her father, Duke Frederick, usurps the throne and banishes his niece, who evades him by disguising herself as Ganymede. In this play, Jaques (*jah-kweez*) discusses the seven ages of man in a monologue that begins “all the world’s a stage.” For 10 points, name this Shakespeare comedy that culminates with the marriage of Orlando and Rosalind.

ANSWER: As You Like It

< Mitch McCullar | *Drama* >

19. The linear variance of this quantity results in a phenomenon known as “band bending” in the depletion layer. For an octopole, this quantity decreases as 1 over the fifth power of the distance. The curl of this quantity is equal to the negative time derivative of the magnetic field according to (*) Faraday’s Law. This quantity is equal to the negative gradient of potential indicating that this quantity equals zero inside a conductor. According to the Lorentz force law, the force on a static charged particle is equal to the charge times this vector quantity. For 10 points, name this vector field that surrounds all charged particles.

ANSWER: electric field [accept E-field; prompt on E]

< Iain Carpenter | *Physics* >

20. In René Clair’s movie *Entr’acte*, Duchamp and Man-Ray engage in this activity which Man-Ray designed knob-shaped objects for. In *Book of the Deeds of Ardashir*, Ardashir I is credited with inventing a variant of this activity called *chatrang* or *shatranj* which is itself based on the Indian variant *chaturanga*. In an interview with Duchamp, he described this activity as acting “a bit like a drug” and as a (*) game of “logics and mechanics” rather than “mathematics.” 16th century Spanish priest Ruy Lopez developed an attack used in this game. Strategies in this game include pinning and forks. For 10 points, name this game whose notable players include Magnus Carlsen and Bobby Fischer.

ANSWER: chess [accept answers like playing chess]

< Michael Etzkorn | *Misc - Other Academic* >

BONUSES:

1. The 2018 Nobel Prize in Physics was awarded for developments in these devices. For 10 points each:
[10] Name these devices that undergo population inversion to emit coherent, collimated beams of light, which is achieved through stimulated emission.

ANSWER: **lasers** [accept **light amplification** by **stimulated emission** of **radiation**]

[10] This Canadian physicist won part of the 2018 Nobel Prize for her work on chirped-pulse amplification in lasers. This scientist is the third woman to ever win the Nobel Prize in Physics.

ANSWER: Donna (Theo) **Strickland**

[10] Chirped-pulse amplification uses two pairs of namesake gratings to accomplish this effect. This effect around spheres creates an Airy disk, and it is split into the Fraunhofer and Fresnel regimes.

ANSWER: **diffraction** [do not accept or prompt on “refraction”]

< Iain Carpenter | *Physics* >

2. Rirkrit Tiravanija cooked for gallery visitors in a work called *pad thai*, an example of this genre. For 10 points each:

[10] Name this genre of art whose other practitioners included Carolee Schneemann and Allan Kaprow. In this genre of art, the artist typically demonstrates artistic expression in front of a live audience.

ANSWER: **performance** art [accept **relational** art]

[10] This Serbian “grandmother of performance art” invited MOMA visitors to sit across from her in her work *The Artist is Present*. During her early career this artist collaborated with Ulay.

ANSWER: Marina **Abramović**

[10] In *The Lovers*, Ulay and Abramović walked towards each other from opposite ends of one of these structures. Dmitri Vrubel’s *My God, Help Me to Survive This Deadly Love* depicting two world leaders kissing was painted on one of these structures.

ANSWER: **walls** [accept **Great Wall** of China; accept **Wǎnlǐ chángchéng**; accept **Berlin Wall**; accept **Berliner Mauer**]

< Iain Carpenter | *Other Fine Arts* >

3. This man is often compared to Elijah and John the Baptist for his role in foreshadowing a later religious leader. For 10 points each:

[10] Name this man who claimed to be the Mahdi and wrote the *Persian* and *Arabic Bayans*.

ANSWER: The **Bab** [accept **Siyid Alí Muhammad** Shírází; prompt on The **Gate**]

[10] The Bab was an important inspiration to the author of *The Book of Certitude*, Baha’u’llah.

Baha’u’llah would go on to found this Abrahamic religion which holds that all major holy figures were manifestations of the same one god.

ANSWER: **Baha’i** Faith [accept **Bahatism**]

[10] The Baha’i Universal House of Justice is located in this country’s city of Haifa. This country’s largest metro was the proposed location of a Raëlist “Extraterrestrial Embassy.” That plan was scrapped because Raelism uses one of this country’s sacred images inscribed with a Swastika.

ANSWER: State of **Israel**

< Brad McLain | *Religion* >

4. This poet wrote “the heart is full, the world is void” in his poem “Longing for Death.” For 10 points each:

[10] Name this poet who asked “Must the morning always return? Will the despotism of the earthly never cease?” in his collection *Hymns to the Night*.

ANSWER: **Novalis** [or Georg Philipp Friedrich Freiherr von **Hardenberg**]

[10] Novalis was a member of the German Romanticism movement, as was this author of “Der Erlkönig.” This German poet also wrote the two-part play *Faust*.

ANSWER: Johann Wolfgang von **Goethe**

[10] This other German Romantic spoke of “a legend of bygone ages” when detailing the “fairest of maidens” who lures sailors into their death in his poem “The Lorelei.”

ANSWER: (Christian Johann) Heinrich **Heine**

< Mitch McCullar | *Non-Epic Poetry* >

5. This man theorized that the religious idea of the “Sacred” presents itself in ideal models, which he called “hierophanies.” For 10 points each:

[10] Name this religious historian who wrote texts like *Images and Symbols* (**pause**) and *The Sacred and the Profane*.

ANSWER: Mircea **Eliade**

[10] Eliade claimed that these types of stories demonstrate the Sacred manifesting itself in the origins of the world. Joseph Campbell described a framework centering around the hero’s journey in his book *The Hero with a Thousand Faces*, which analyzes these stories.

ANSWER: **myths** [accept **mythologies**]

[10] Eliade espoused a theory that a society attempts to become contemporary to the age of myths, an idea he gave this name. Friedrich Nietzsche used this two-word term to describe the universe continuing forever in self-similar, repetitive forms.

ANSWER: **eternal return** [accept **eternal recurrence**]

< Ethan Ashbrook | *Social Science* >

6. A character in this story hides in a church tower and rings the bell every day until the Germans leave Rouen. For 10 points each:

[10] Name this story whose title character is stabbed with a cheese knife after slapping the prostitute Rachel.

ANSWER: “**Mademoiselle Fifi**”

[10] This French author of “The Necklace” wrote “Mademoiselle Fifi.”

ANSWER: Guy de **Maupassant** [or Henri René Albert Guy de **Maupassant**]

[10] Maupassant’s story “Ball of Fat” ends with Cornudet (*core-new-day*) performing this action. This action makes everyone else feel uncomfortable and drowns out most of Rousset’s sobbing.

ANSWER: **whistling** “The Marseillaise” [or **whistling** the French National Anthem; accept **humming**; do NOT accept or prompt on “singing”]

< Mitch McCullar | *Short-Form Fiction* >

7. In a right triangle, this point lies at the vertex of the right angle. For 10 points each:

[10] Name this point lying at the intersection of the three altitudes of a triangle.

ANSWER: **orthocenter**

[10] This man names a line passing through the orthocenter, circumcenter, and centroid. This Swiss mathematician solved the Seven Bridges of Königsberg problem.

ANSWER: Leonhard **Euler** [accept **Euler** line]

[10] The Euler line goes through this circle that was discovered by Feuerbach. This kind of circle passes through the midpoints of each side of the triangle and the foot of each altitude.

ANSWER: **nine-point** circle

< Iain Carpenter | *Other Science - Math* >

8. This man wrote about the beauty of the Ferghana Valley in his autobiography. For 10 points each:

[10] Name this ruler who claimed to be a descendant of Tamerlan and defeated the Lodi dynasty at the First Battle of Panipat (*PAA-nee-putt*).

ANSWER: **Babur** [or **Zahīr ud-Dīn** Muhammad]

[10] Babur was the founder of this empire that reached its greatest heights under Aurangzeb. Shah Jahan, a ruler of this empire, built the Taj Mahal.

ANSWER: **Mughal** Empire

[10] Babur's son and Akbar's father was this Mughal emperor who retook Delhi by defeating Sher Shah Suri. This man, who is buried in an ornate tomb, appointed Bairam Khan to lead the vast army he assembled.

ANSWER: **Humayun** [or **Nasir-ud-Din** Muhammad]

< Sarod Nori | *Non-Euro, Non-Commonwealth* >

9. This symphony in A major is sometimes called the "apotheosis of the dance". For 10 points each:

[10] Name this symphony with a popular *allegretto* movement that is based on a *long-short-short-long-long* rhythmic motif.

ANSWER: Ludwig van **Beethoven**'s **Seventh** Symphony in A major [prompt on **Beethoven**'s Symphony in A major; prompt on **Seventh** Symphony]

[10] Beethoven's Seventh Symphony inspired the only symphony by this composer of *Tristan und Isolde*.

ANSWER: (Wilhelm) Richard **Wagner**

[10] In this Wagner opera, the title character shouts the name "Elisabeth" before seeing her funeral procession where it is revealed that the pope's staff has sprouted new leaves.

ANSWER: **Tannhäuser** [or **Tannhäuser und der Sängerkrieg auf Wartburg**]

< Dylan Bowman | *Music* >

10. Prato and Bingel are two named reactions in this class of molecule's namesake chemistry. For 10 points each:

[10] Name this class of molecules -- the first of which was discovered using laser vaporization by Smalley, Curl, and Koto at Rice University.

ANSWER: **fullerenes** [or buckminster**fullerene**; prompt on C60]

[10] This simple carbon allotrope is the basic structural component of fullerenes. This carbon allotrope is composed of a single-layer lattice with a hexagonal pattern.

ANSWER: **graphene**

[10] Graphene has potential applications as one of the light-emitting types of these devices which generally-speaking only allow current to flow in one direction.

ANSWER: **diode**

< Michael Etzkorn | *Chemistry* >

11. This novel details the Election of 1952 and the abolition of the Zamindari system. For 10 points each:

[10] Name this novel that details Rupa Mehra's attempts to find a husband for her daughter Lata.

ANSWER: *A **Suitable Boy***

[10] *A Suitable Boy* was written by this author of *An Equal Music*. This author used Pushkin sonnets for his novel *The Golden Gate*.

ANSWER: Vikram **Seth**

[10] *The Golden Gate* follows a group of young upstarts in this city. The City Lights bookstore in this city helped many Beat Generation novelists get their start.

ANSWER: **San Francisco**

< Mitch McCullar | *Long-Form Literature* >

12. Answer the following about the original establishment of world order in Babylonian mythology. For 10 points each:

[10] After the gods killed this primordial goddess's husband Abzu, she took the form of a sea dragon to exact revenge before being slain by Marduk.

ANSWER: **Tiamat**

[10] After killing Tiamat, Marduk used her body to fashion parts of the world. Tiamat's tears became these two rivers critical to Mesopotamian civilization.

ANSWER: **Tigris** AND **Euphrates** Rivers [prompt on partial; accept in either order]

[10] Marduk's killing spree didn't end with Tiamat as he went on to kill her son Kingu to reclaim this object and solidify his rule among the gods.

ANSWER: **Tablet of Destinies** [accept **Destiny Tablet**; accept **dub namtarak**; accept **tup simatu**; accept **tuppi simati**]

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

13. When this queen was 25 years old, her father locked her up and ruled as regent for 12 years until his death. For 10 points each:

[10] Name this Queen of Castile who inherited her father's kingdom of Aragon, but remained locked up while her son Charles V went on to rule the Holy Roman Empire -- leaving this mother of his locked up for the remaining 39 years of her life.

ANSWER: **Joanna** the Mad [accept **Juana** la Loca; accept **Juana** the Mad; accept **Joanna** of Castile; accept **Juana** of Castile]

[10] Joanna the Mad was locked up by this World's Best Dad. This king married Isabella I of Castile, completed the Reconquista, and sponsored Columbus's voyages to the New World.

ANSWER: **Ferdinand** II of Aragon [accept **Ferdinand** V of Castile; accept **Ferdinand** III of Naples; accept **Fernando** in place of Ferdinand]

[10] This Spanish city was the location of the castle where Joanna was imprisoned. A treaty named for this city split the New World along a line halfway between Cape Verde and Hispaniola.

ANSWER: **Tordesillas** [or Treaty of **Tordesillas**; accept **Tordesilhas**]

< Sarod Nori | *Continental Europe* >

14. Niko Tinbergen researched supernormal stimuli in this organism that had a stronger desire to fight a wooden fish over a real one if the wooden one had a redder belly. For 10 points each:

[10] Name this carnivorous fish whose "white" variety do not care for their young.

ANSWER: three-spined **sticklebacks** [or **Gasterosteus** aculeatus; or **Gasterosteus aculeatus**]

[10] Niko Tinbergen, along with Konrad Lorenz, was one of the founders of the modern form of this science of animal behavior. Robert Sapolsky described this field as "interviewing an animal in their own language."

ANSWER: **ethology**

[10] Ethologist Karl Von Frisch studied the waggle dance in this creature. This creature uses the "tremble dances" to recruit collection of nectar from foragers.

ANSWER: honey **bee** [or **Apis**]

< Michael Etzkorn | *Biology* >

15. In the background of this painting, a man in blue is dejectedly leaning his face on a wall. For 10 points each:

[10] Name this painting in which a man in a red cape sorrowfully looks away from the white-robed title figure while handing him a goblet as he points to the sky.

ANSWER: *The **Death of Socrates*** [accept *La **Mort de Socrate***]

[10] This French artist painted *The Death of Socrates*. This neoclassicist also painted *Death of Marat* and *Oath of the Horatii*.

ANSWER: Jacques-Louis **David** (*duh-VEED*)

[10] This student of David (*duh-VEED*) illustrated the death of a Chateaubriand character in *Funeral of Atala*. This early Romantic artist depicted moonlight hitting the nude title figure in *The Sleep of Endymion*.

ANSWER: Anne-Louis **Girodet** de Roussy-Trioson [accept Anne-Louis **Girodet** de Roucy; accept Anne-Louis **Girodet**-Trioson]

< Iain Carpenter | *Painting and Sculpture* >

16. This general tried to cross the Alps with elephants. For 10 points each:

[10] Name this Carthaginian general who lost to the Roman army under Scipio Africanus during the Second Punic War.

ANSWER: **Hannibal** Barca

[10] This man became dictator after Hannibal defeated the Romans at the Battle of Lake Trasimene. This man's namesake strategy involved avoiding conflict to wear down the enemy.

ANSWER: Quintus **Fabius** Maximus Verrucosus Cunctator [accept **Fabian** strategy or **Fabius** the Delayer]

[10] Hasdrubal Barca was killed during this battle in the Second Punic War. After this battle, Claudius Nero ordered Hasdrubal's severed head to be thrown into Hannibal's camp.

ANSWER: Battle of the **Metaurus** River [accept Battle of **Metauro** River]

< Mitch McCullar | *Classics, British or Commonwealth, Other* >

17. In one play, Bougrelas revolts against a fictional king from this country who is later attacked by a bear. For 10 points each:

[10] Name this country whose throne is usurped by Ubu in a play by Alfred Jarry.

ANSWER: Republic of **Poland** [accept Republika **Polska**]

[10] The fictional Polish king Basilio imprisons his son Segismundo in fear that he would become a tyrant in this play by Pedro Calderón de la Barca.

ANSWER: ***Life is a Dream*** [or *La vida es sueño*]

[10] Pedro Calderón de la Barca was a playwright from this country. Calderon de la Barca, Lope de Vega, and Tirso de Molina wrote many plays during this country's "Golden Age" of literature.

ANSWER: **Spain** [or Reino de **Espana**; or Kingdom of **Spain**]

< Mitch McCullar | *Misc Literature* >

18. Answer some questions about the geography of Scotch whisky. For 10 points each.

[10] This is the largest Scotch whisky region. This northern mountainous region of Scotland is also home to namesake games that include bagpipes and caber tosses.

ANSWER: Scottish **Highlands** [or **A' Ghàidhealtachd**]

[10] The Islay (*eye-lah*) Scotch region is home to strong smoky whiskies. The scotches get their strong flavor because the grain is malted by drying it over a fire of this material. This material forms in namesake bogs and can be a precursor to coal.

ANSWER: **peat** [prompt on **turf**]

[10] This island is home to the Talisker and Torabhaig distilleries. This is the largest and northernmost island in the Inner Hebrides of Scotland, and its largest settlement is Portree.

ANSWER: Isle of **Skye**

< Brad McLain | *Misc - Geography* >

19. “Are you Englishmen or only Goths and Vandals?” For 10 points each:

[10] William Thornton legendarily shouted those words during this event in an effort to save the U.S. Patent office which was pointed at by British cannons. This event was carried out by troops under Robert Ross and George Cockburn.

ANSWER: **Burning of Washington**, D.C. [or **burning of the White House**; accept logical equivalents]

[10] The burning of Washington took place during this war caused by British impressment of American sailors. This war was ended by the Treaty of Ghent.

ANSWER: War of **1812**

[10] Responding to American military failures in the War of 1812, this Secretary of War and future Vice President reorganized the War Department into a system of bureaus.

ANSWER: John C(aldwell) **Calhoun**

< Nathan Fredman | *US History* >

20. Answer the following questions about philosophical razors. For 10 points each:

[10] This thinker formulated a razor that states “what can be asserted without evidence can be dismissed without evidence” in his book *God is Not Great*.

ANSWER: Christopher (Eric) **Hitchens**

[10] This man’s namesake razor states that “simpler explanations are more likely to be correct.” This early English theologian espoused a nominalist position in his textbook *Summa Logicae*.

ANSWER: William of **Ockham** [accept William of **Occam**; or **Gulielmus Occamus**; accept **Ockham's razor**]

[10] Mike Alder proposed a razor named after this thinker’s “flaming laser sword,” which states that something that is unsupported by experiment or observation isn’t worthy of debate. This thinker postulated an “absolute space” which was defended by his friend Samuel Clarke.

ANSWER: Sir Isaac **Newton** (FRS PRS)

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