

ACF Fall 2019

Packet by Boise State A, Liberty A, Waterloo A

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Tossups

1. Flower petals are thrown to purify the air in a Balinese form of this activity known as *pendet*. The usage of *atabaque* (“ah-tuh-BAH-kee”) and *agogô* (“uh-GO-go”) facilitate a type of this practice whose performance allows individuals to become possessed by *orixás* (“or-EE-shuhs”) and is central to the Brazilian tradition of Candomblé. The *tandava* form of this activity is often depicted being performed by Nataraja, a depiction of Shiva as the “Lord of” this activity. In Sufi tradition, the Mevlevi order is best known as a group of *dervishes*, who perform a ritual form of this practice known as “whirling.” For 10 points, name this activity, one form of which was originally performed to appease the volcano goddess Pele, its *hula* variety.

ANSWER: ritual **dance** [or word forms; accept sacred **dance**, worship **dance**, or religious **dance**; accept “**dance in honor of the gods**”; accept *bebalihan* or *wali*; prompt on *whirling* until read]

<Religion>

2. “Complex interdependence” was proposed in a book promoting a revised theory of this name by Robert Keohane (“KEE-oh-hahn”) and “soft power” advocate Joseph Nye. This type of person responds to only two or three of six moral foundations according to research by Jonathan Haidt (“height”). Paul Krugman ran a blog and published a 2007 book both named for the “Conscience of a” person with this philosophy. The international relations school of this name has roots in Immanuel Kant’s essay on democratic peace theory. Friedrich Hayek and Adam Smith adhered to a free-market “classical” version of this ideology. For 10 points, name this political ideology often opposed to conservatism.

ANSWER: **liberalism** [or word forms; accept **neoliberalism** or **classical liberalism**; accept *The Conscience of a Liberal*]

<Social Science>

3. On average, the strain rate of this substance is proportional to the cube of effective shear stress according to Glen’s law. The color of this substance can be attributed [emphasize] *not* to Rayleigh (“RAY-lee”) scattering, but rather to an overtone of the stretching mode of its molecules. The high albedo of this substance causes a positive feedback loop when its global surface area decreases. Movement of this substance occurs in basal sliding. Because its density is about 920 kilograms per cubic meter, pieces of this substance float in water. Rising sea levels are attributed to the melting of, for 10 points, what substance that covers much of Earth’s polar regions?

ANSWER: sea **ice** [accept **ice** sheets or **icebergs**; prompt on *frozen water* or *solid water* or *snow*; do not accept or prompt on “water”]

<Other Science>

4. In this century, Friedrich Spee’s (“shpay’s”) *Cautio Criminalis* condemned massive witch hunts in Würzburg and Bamberg. Jacques Callot’s (“ka-LO’s”) depiction of many men hung from a single tree was inspired by a conflict that occurred in this century. 27 Czech leaders were executed in Prague’s Old Town Square during this century, partially as revenge for an earlier event in which Ferdinand II’s Catholic representatives were hurled out a window. During the Battle of Lützen, the Swedish king Gustavus Adolphus died during a conflict in this century that was ended by the Peace of Westphalia. For 10 points, in which century did the Thirty Years’ War take place?

ANSWER: **17th** century [or the **1600s**]

<European History>

5. Jesus is missing a leg in a sculpture by this artist that is sometimes called the “Florentine” version of a certain scene. A figure in a sculpture by this man had its nose broken off when a viewer attacked it in 1972. Because a sculpture by this artist was originally intended for the roof of the Florence Duomo, its head and hands are oversized to be made visible. This man’s unfinished sculptures of *Rebellious* and *Dying Slaves* were meant to be placed to the sides of a work that features a horned statue of Moses, the tomb of Julius II. For 10 points, name this Italian sculptor of the *Pietà* and a marble *David* and painter of the Sistine Chapel’s ceiling.

ANSWER: **Michelangelo** [or Michelangelo di Lodovico **Buonarroti** Simoni]

<Painting/Sculpture>

6. In a story by this author, a “learned man” is executed due to the machinations of his own shadow. In another story by this author, a character is given the chance to gain an immortal soul by doing good deeds for three hundred years. This author wrote a story in which a pretty girl is cursed to dance until she becomes a skeleton after repeatedly wearing red shoes to church. No one is willing to admit that they cannot see the title garments until a child points out that the emperor is naked in this author’s story “The Emperor’s New Clothes.” In a story by this author, the title character visits a sea witch to exchange her voice for a pair of legs. For 10 points, name this Danish author of “The Little Mermaid.”

ANSWER: Hans Christian **Andersen**

<European Literature>

7. Ambipolar diffusion occurs in these substances. These substances will be constrained by ITER, a device based on an idea proposed by Igor Tamm and Andrei Sakharov. High-intensity X-rays can be generated from these substances in a system called a z-pinch. In these substances, the magnetic field is “frozen in” according to Alfvén’s (“all-VANE’s”) theorem. Various properties of these substances can be measured with a Langmuir (“LANG-myoor”) probe. Magnetohydrodynamics models these substances, which are toroidally confined in tokamaks for fusion. For 10 points, auroras and lightning are examples of what ionized gases considered the “fourth state of matter”?

ANSWER: **plasmas**

<Physics>

8. When this thinker died, a piece of paper opening “FIRE. God of Abraham, God of Isaac, God of Jacob” was found sewn to this philosopher’s coat. Early in this thinker’s best-known work, he despairs that “the eternal silence of these infinite spaces alarms me.” This thinker declared that “the heart has its reasons which reason knows not” in a posthumous work written after he defended Port Royal scholar Antoine Arnauld (“ar-NO”) and other Jansenists in the *Provincial Letters*. He advised taking the sacraments to avoid potential infinite loss in a namesake probabilistic argument in his *Pensées* (“pon-SAY”). For 10 points, name this French philosopher and mathematician who made a namesake “wager” in favor of belief in God.

ANSWER: Blaise **Pascal**

<Philosophy>

9. A crime figure in this city entrapped a rival by offering to sell him the Sieben Brewery and then having him tour it the day of a police raid. That figure, Dean O’Banion, was murdered in a flower shop in this city after tricking Johnny Torrio. After Torrio retired from crime, he left an organization called this city’s “Outfit” to a protégé who was investigated by a group of Prohibition agents called the Untouchables. Eliot Ness helped bring down that boss of this city, whose associates gunned down seven members of Bugs Moran’s North Side gang in the St. Valentine’s Day Massacre. For 10 points, Al Capone dominated crime in what Midwestern city?

ANSWER: **Chicago**

<American History>

10. The speaker of a poem by this author “saw your horrid scales, / Melusina, shining green in the dawn,” and found “the eyes of a girl / drowned a thousand years ago.” This author imagines a visit to the abandoned town of Galta in a hybrid work about Hanuman contemplating the garden of Ravana. A collection of essays by this author of *The Monkey Grammarian* includes “The Conquest and Colonialism” and “The Day of the Dead.” The line “willow of crystal, a poplar of water” opens this author’s 584-line poem inspired by the Aztec calendar. For 10 points, name this Mexican author of “Sunstone” and *The Labyrinth of Solitude*.

ANSWER: Octavio Paz [or Octavio Paz Lozano]

<World/Other Literature>

11. This process is facilitated by several proteins with Kringle domains. A hydroquinone compound is produced from an epoxide by VKOR in a pathway that leads to this process. Tenase activates a protein during this process’s namesake cascade. Glycosylation and the cleavage of a zymogen involved in this process produce Christmas factor. Heyde’s (“hide’s”) syndrome is characterized by the degradation of von Willebrand factor, which also aids in this process. In this process, fibrinogen is converted to fibrin by thrombin. Platelets are cells that perform, for 10 points, what process defective in hemophiliacs that stops blood loss?

ANSWER: blood clotting [or blood coagulation]

<Biology>

12. A film by this director features a hitchhiker named Sara, who is played by the same actress as the protagonist’s childhood love. That film by this director features a dream sequence in which a man sees himself in a coffin. A film by this man features a shot that combines the faces of the two main characters, an actress who has stopped speaking and her nurse. A film by this director of *Persona* follows Isak Borg and his daughter-in-law Marianne as they travel to Lund. In another film by this director, Max von Sydow (“SEE-doh”) stars as Antonius Block, who challenges Death to a game of chess. For 10 points, name this Swedish director of *Wild Strawberries* and *The Seventh Seal*.

ANSWER: Ingmar Bergman

<Other Arts>

13. A reconstructed landmark from this city is housed in Berlin’s Pergamon Museum and consists of bull and dragon reliefs on a blue-tiled gate. Sennacherib was murdered by his own sons after he sacked this holy city. A Chaldean (“kal-DEE-in”) leader named Nabopolassar founded an empire centered in this city that collapsed after Nabonidus neglected its patron god in favor of the moon deity Sin. Nebuchadnezzar II ruled from this city, to which he supposedly exiled the Jews during a “captivity” named for this city. A law code established a millennium earlier by a ruler of this city codified principles like “an eye for an eye.” For 10 points, name this ancient Mesopotamian city ruled by Hammurabi.

ANSWER: Babylon [accept Babylonian Captivity]

<World History>

14. While in this place, a man is advised to “spare the conquered” and “battle down the proud.” Before traveling to this place, a hero is guided through a boundless forest by two doves. Aeacus (“EE-uh-kuss”) and Rhadamanthys preside in this place’s grove of Avernus. This place is invoked in a ritual called *nekyia*, while it is visited during *katabasis*. In this place, true dreams exit through a gate of horn while false dreams exit through a gate of ivory. After arriving in Italy, Aeneas (“uh-NEE-iss”) asks the Cumaean Sibyl to guide him to this place, and she tells him to seek a golden bough. For 10 points, name this place where Aeneas sees Anchises (“ann-KY-seez”), Dido, and other dead spirits.

ANSWER: the underworld [or Hades or Pluto or Dis; accept Hell]

<Mythology>

15. The speaker of a poem by this author asks, “Who are you that mumbles in the dark? / And who are you that draws your veil across the stars?” The speaker claims, “They’ll see how beautiful I am / And be ashamed—” after he

is sent “to eat in the kitchen / When company comes” in a poem by this author. This poet wrote “the stars went out and so did the moon” near the end of a poem about a man who “slept like a rock or a man that’s dead.” This poet of “I, Too, Sing America” asked, “Does it stink like rotten meat? / Or crust and sugar over—like a syrupy sweet?” about “a dream deferred.” For 10 points, name this Harlem Renaissance poet of “The Weary Blues.”

ANSWER: Langston **Hughes** [or James Mercer Langston **Hughes**]

<American Literature>

16. In January 2019, Chris Christie told Congress to “get the hell out” of this practice in response to a bill that proposed a “clearinghouse” between firms in this practice. That legislation was Orrin Hatch’s last major bill and would have targeted this practice by amending the Federal Wire Act. Integrity fees are a controversial 1% tax on singular actions of this practice. In 2018, the Supreme Court overruled PAPA in *Murphy v. NCAA*, stating that prohibitions on this practice violated the 10th Amendment. For 10 points, casinos provide what sort of recently legalized practice, in which money is wagered on activities such as football and baseball?

ANSWER: **sports betting** [accept **gambling** in place of “betting”; prompt on **betting** by asking “betting on what activity?”; accept specific answers such as “**betting on football**” so long as they indicate both betting and a sport]

<CE/Geo/Other/Pop Culture>

17. During this event, photographer David Burnett captured an image of the mohawked Frenchman Laurent (“lo-RAWN”) wielding a hammer over his head. To celebrate this event, Leonard Bernstein (“BURN-styne”) conducted Beethoven’s Ninth Symphony, but changed the word “Joy” to “Freedom.” While much of the so-called “canvas” was destroyed, Dmitri Vrubal’s depiction of two male politicians kissing was spared during this event. After this event, many *Mauerspecht* (“MAO-er-shpekt”), or the “stonepeckers” of its central location, tried to claim souvenirs from its rubble. In a speech, Ronald Reagan asked “Mr. Gorbachev” to perform, for 10 points, what 1989 decommissioning of a certain barricade in a German capital?

ANSWER: **fall** of the **Berlin Wall** [accept **destruction**, **decommissioning**, **deactivation**, **demilitarization**, or other synonyms in place of “fall”; accept “**Tear down this wall!**”; prompt on the **reunification** of **Germany** or the **unification** of **East** and **West Germany**; prompt on the **Peaceful Revolution**; prompt on the **fall** of the inner **German border**; prompt on “**Open this gate!**” by asking “what else did he ask Mr. Gorbachev to do in that speech?”; do not accept or prompt on “unification of Germany”]

<European History>

18. This author wrote an autobiographical couplet stating, “No man has tasted differing fortunes more, / And thirteen times I have been rich and poor.” This author compared religious minorities to a cock afraid of being trampled by horses in his satirical pamphlet *The Shortest Way with the Dissenters*. Doors are marked with variations of the word ABRACADABRA in this author’s novel *A Journal of the Plague Year*. In a novel by this author, a conwoman is born in Newgate Prison and marries five men, including her half brother. The protagonist of a novel by this author sees the footprint of a cannibal whom he names Friday. For 10 points, name this author of *Moll Flanders* and *Robinson Crusoe*.

ANSWER: Daniel **Defoe** [or Daniel **Foe**]

<British Literature>

19. Admirers often collected this musician’s unconsumed coffee in glass vials. The central C-B-E motif of a symphonic work by this composer was taken from his earlier cycle *Les Quatres Éléments* (“lay CAT-ruh ay-lay-MAWN”). All but the fifth piece in a collection by this composer are divided into a slow *lassan* (“LAW-shawn”) and fast *friska* (“FREESH-kah”). This inventor of the symphonic poem wrote one inspired by Lamartine’s “Les preludes.” A namesake 1840s “mania” affected fans of this composer, who based one set of nineteen piano pieces on the gypsy music of his native country. For 10 points, name this composer of the *Hungarian Rhapsodies*.

ANSWER: Franz **Liszt** [or **Liszt** Ferenc; accept **Lisztomania**]

<Classical Music>

20. A medical solution to lagophthalmos (“lag-off-THAL-muss”), which is the inability of a person to close their eyes completely, is to implant a small amount of this element into the eyelid. Thiosulfate salts of this element are used to slow the progression of rheumatoid arthritis. The Turkevich method synthesizes nanoparticles of this element, which form a colloid in water. It’s not cesium, but this element’s usual color is explained by a 5d to 6s transition. This element is the most malleable metal, and a foil of it was used by Rutherford to discover the nucleus. For 10 points, name this element whose atomic number is 79 and whose symbol is Au.

ANSWER: **gold** [or **Au** until read]

<Chemistry>

Bonuses

1. A poetry collection by this author ends with the image of “a flock of homesick cranes flying night and day back to their mountain nests.” For 10 points each:

[10] Name this Bengali Nobel laureate who wrote the poetry collection *Gitanjali*.

ANSWER: Rabindranath **Tagore** [or Robindronath **Thakur**]

[10] Prolific Tagore translator Juan Ramón Jiménez (“hee-MEN-ess”) was likely inspired by Tagore to coin a style of poetry described by this adjective. This adjective titles a William S. Burroughs novel partly set in Interzone.

ANSWER: **naked** [accept **naked poetry** or **Naked Lunch**; accept **desnuda** or **poesía desnuda**]

[10] When Tagore brought his manuscript of *Gitanjali* on a visit to England, he briefly lost it in one of these places. An Ezra Pound poem titled for one of these places describes “faces in a crowd” as “petals on a wet, black bough.”

ANSWER: the **subway** [accept synonyms; accept “In a Station of the **Metro**”; accept the London **Tube** or London **Underground**; prompt on **train** stations or synonyms]

<World/Other Literature>

2. Marie Taglioni was the first to wear one of these clothing articles, which she did for an 1832 staging of *La Sylphide* (“seel-FEED”). For 10 points each:

[10] Name these skirts that come in Romantic “bell” and Classical “pancake” varieties. Barbara Karinska’s “powder puff” design for one of these skirts was adopted by George Balanchine’s (“BAL-un-cheen’s”) ballet company.

ANSWER: **tutus**

[10] Taglioni was the first to dance in this manner, which was likely why her tutu for *La Sylphide* was cut at the ankles. Special namesake shoes are used to dance in this manner, in which the weight is placed on the tips of one’s toes.

ANSWER: en **pointe** (“pwahnt”) [accept **pointe** shoes; accept **pointework**]

[10] Isadora Duncan was known as much for dancing in bare feet as for wearing this accessory. Vaslav Nijinsky used one of these clothing items to mime masturbation, causing consternation at the premiere of *Afternoon of a Faun*.

ANSWER: **scarf** [or neck**scarves**]

<Other Arts>

3. This essay claims that a certain threat could be completely eliminated only by destroying liberty or by giving everyone “the same opinions, the same passions, and the same interests.” For 10 points each:

[10] Name this 1787 essay published under the name “Publius” that defends the power of the proposed U.S. Constitution to check the danger of factions.

ANSWER: **Federalist** No. **10** [or **Federalist** Paper No. **10** or “The **Utility of the Union as a Safeguard against Domestic Faction and Insurrection**”; prompt on **Federalist Papers** by asking “which one?”]

[10] Federalist No. 10 was written by this future president who authored the Federalist Papers with John Jay and Alexander Hamilton.

ANSWER: James **Madison**

[10] Madison’s claim in Federalist No. 10 that factions most often arise from the “unequal distribution of property” was cited in 1913 by this Columbia historian to support his thesis that the U.S. Constitution was primarily shaped by the founders’ financial interests.

ANSWER: Charles **Beard**

<American History>

4. This theory predicts shapes like trigonal planar and tetrahedral. For 10 points each:

[10] Name this theory that describes the geometric arrangement of atoms. It is based on the principle that electrons should be as far away from each other as possible.

ANSWER: **VSEPR** (“vesper”) [or **valence shell electron pair repulsion** theory]

[10] This force is the weakest intermolecular force and is visualized as two lowercase deltas. This force is stronger between larger molecules.

ANSWER: instantaneous **dipole-induced dipole** force [accept **London dispersion** forces; prompt on van der Waals forces or dispersion forces; do not accept or prompt on partial answers]

[10] This type of bond is contrasted with covalent bonds and generally forms between a metal and a nonmetal, such as sodium and chlorine in table salt.

ANSWER: **ionic** bond

<Chemistry>

5. Stephen Spender wrote “the dreamer sleeps forever with the dreamed” to conclude a poem titled for one of these events. For 10 points each:

[10] Name this type of event. The speaker laments “he was my North, my South, my East and West” in a W. H. Auden poem titled for the “blues” of one of these events.

ANSWER: **funeral** [accept “Auden’s **Funeral**” or “**Funeral** Blues”]

[10] “Funeral Blues” begins with this four-word command. This command is followed by commands to “cut off the telephone, / Prevent the dog from barking with a juicy bone.”

ANSWER: “**stop all the clocks**” [exact phrase required]

[10] The speaker of “Funeral Blues” also declares “pack up the moon and dismantle” this object. A Shakespeare sonnet begins, “My mistress’ eyes are nothing like” this object.

ANSWER: the **sun**

<British Literature>

6. Catalina de Erauso, known as *La Monja* (“MOAN-hah”) *Alferez*, is now remembered for performing this action, which allowed her to fight the Mapuches in colonial Chile and hold an audience with Pope Urban VIII. For 10 points each:

[10] Give this action undertaken by the Fernig sisters and the apocryphal Polly Oliver. On his ship, “Calico” Jack employed a pair of pirates known today for performing this action, which they later revealed to stay their executions.

ANSWER: **cross-dressing** [accept descriptions of **dressing** like a **man**; prompt on descriptions such as acting like a different person or acting like someone else; do not accept or prompt on “dressing in drag” or “dressing like a woman”] (*La Monja Alferez* translates as “The Nun Lieutenant,” and the pirates were Anne Bonny and Mary Read.)

[10] First mentioned hundreds of years after her supposed reign, this cross-dressing woman is said to be the only female pope. After this woman gave birth during a parade, popes legendarily had to be fondled to ensure the existence of their testicles.

ANSWER: Pope **Joan** [accept *Ioannes Anglicus*]

[10] She’s no pope, but Joan of Arc was burned at the stake for cross-dressing during this lengthy war broadly fought between England and France during the 14th and 15th centuries.

ANSWER: **Hundred Years’ War**

<European History>

7. Alessandro Moreschi was the only one of these musicians to create solo recordings, in which his grace notes began up to a tenth below the target. For 10 points each:

[10] Name or describe this class of musical professionals that included Nicola Porpora’s students Farinelli and Caffarelli. Most of these men had a range equal to that of a modern mezzo-soprano.

ANSWER: **castrati** [or **castrato**; accept **musico** or **music**; accept **evirato** or **evirati**; accept anything clearly indicating their **eunuchism** or **castrated** status]

[10] Farinelli sang for the Opera of the Nobility, which was founded in opposition to this composer’s royally supported company. This German wrote the *Messiah* while employed in England.

ANSWER: George Frideric **Handel**

[10] Caffarelli premiered Handel's "Ombra mai fu," which is nicknamed for this tempo marking. This slow tempo is faster than grave ("GRAH-vay") but slower than lento or adagio.

ANSWER: **largo** [accept Handel's **Largo**; do not accept "larghetto"]

<Classical Music>

8. Instructions for how to create one of these things are given in the *Sefer Yetzirah* ("SEFF-air yet-see-RAH"). For 10 points each:

[10] Name these beings made of animated mud or clay. According to legend, Rabbi Judah Loew ben Bezalel created one of these beings to defend the Jewish ghetto of Prague.

ANSWER: **golems**

[10] Paracelsus suggested animating one of these beings by incubating human sperm in horse dung. These miniature people were said to serve the alchemist who created them.

ANSWER: **homunculus** ("huh-MUN-kyoo-luss") [or **homonculi**]

[10] Unlike golems or homunculi, this being made of animated dough [emphasize] *does not* obey his creator.

Instead, this character flees the baker and taunts "you can't catch me" to everyone he meets until he is eaten by a sly fox.

ANSWER: the **Gingerbread Man** [or the **Gingerbread Boy**]

<Mythology>

9. Answer some things about roses, for 10 points each.

[10] This structure, which contains the pistils, can be monocarpous, apocarpous, of syncarpous. It generally refers to the collective female parts of a flower.

ANSWER: **gynoecium** ("jy-NEE-shee-um")

[10] Rose hips are an "accessory" type of these structures because they are made up of tissue other than the ripened ovary. Other examples of these fleshy seed-bearing structures include apples and oranges.

ANSWER: **fruits**

[10] Roses are classified into this clade because they have netted leaf veins, taproots, and tricolpate pollen grains.

ANSWER: **eudicots** [or **eudicotyledons** or **Eudicotidae**]

<Biology>

10. Vera Dick's testimony that this group's last song was "Nearer, My God, to Thee" could have been selective memory of a previous event. For 10 points each:

[10] Name this Wallace Hartley-led group, whom Walter Lord argued played the hymn "Autumn" in his book *A Night to Remember*. A description is acceptable.

ANSWER: the **band** aboard the **Titanic** [both underlined parts needed; accept synonyms for **band** like **musicians** or anything indicating the group performed music; prompt on **band** or **musicians** with "Where did they play?"]

[10] Hartley's violin and other instruments were auctioned off in 2013 in this city, where the *Titanic* was built.

Samson and Goliath are two massive cranes in this industrial city's Queen's Island harbor.

ANSWER: **Belfast** [or **Béal Feirste**]

[10] During the 19th century, British shipbuilding boomed in Northern Ireland and this other constituent country, where the RMS *Queen Elizabeth* was built outside Glasgow.

ANSWER: **Scotland**

<CE/Geo/Other/Pop Culture>

11. While these two countries officially merged in the 1569 Union of Lublin, they had been basically united since the 1386 marriage of Queen Hedwig to Grand Duke Jogaila ("yo-GUY-luh"), namesake of the Jagiellonian ("yog-yuh-LO-nee-in") dynasty. For 10 points each:

[10] Name these two countries that ruled as a single commonwealth until a series of 18th-century partitions. Their shared legislature, the *sejm* ("saym"), was strongly controlled by the *szlachta* ("SHLOCK-tuh") noble class.

ANSWER: **Poland** and **Lithuania** [or the **Polish-Lithuanian** Commonwealth; accept a combination of the Kingdom of **Poland** and the Grand Duchy of **Lithuania**]

[10] Perhaps the greatest leader of the commonwealth was this man, who imitated Julius Caesar by saying, “I came, I saw, God conquered,” after defeating the Ottomans at the 1683 Battle of Vienna.

ANSWER: **John III** Sobieski of Poland and Lithuania [or **John Sobieski**; accept **Jan**, **Jonas**, or **Ioannes** in place of “John,” but prompt on them without the number or identifier; prompt on **John**]

[10] The second and largest partition of the commonwealth was largely orchestrated by this longest-ruling female Russian tsar, who had earlier put down Pugachev’s Rebellion.

ANSWER: **Catherine the Great** [or **Catherine II**; accept **Yekaterina Alekseyevna** or **Yekaterina Velikaya**; or Princess **Sophie** of **Anhalt-Zerbst**; prompt on **Catherine** or **Yekaterina**]

<European History>

12. In a play in this language, Dulcitius believes that some pots and pans are three beautiful virgins, so he embraces them and becomes covered in soot. For 10 points each:

[10] Name this language used by the nun Hrotsvitha of Gandersheim (“GAHN-durs-hime”). Medieval liturgical drama was written in this language, which was also used to write the Vulgate and most of *Carmina Burana*.

ANSWER: **Latin** [accept Ecclesiastical **Latin** or Church **Latin** or Liturgical **Latin** or Medieval **Latin** or Vulgar **Latin**]

[10] Hrotsvitha wrote plays in this broad genre. Hrotsvitha wrote in the style of Terence, who, like Plautus, was an ancient Roman playwright of this genre.

ANSWER: **comedy**

[10] Two hundred years after Hrotsvitha, this medieval nun wrote *Ordo Virtutum*, the earliest surviving morality play. This composer and mystic described twenty-six visions of God in her manuscript *Scivias*.

ANSWER: **Hildegard** von Bingen [or Saint **Hildegard**; or **Hildegardis** Bingensis; accept **Sibyl of the Rhine**]
<European Literature>

13. This quantity is often symbolized lowercase eta. For 10 points each:

[10] Name this quantity that is calculated by the formula one minus T_{cold} over T_{hot} for a Carnot (“kar-NO”) engine.

ANSWER: **efficiency**

[10] This quantity is held constant in the adiabatic steps of the Carnot cycle. Processes are reversible if they conserve this quantity, the measure of disorder in a system.

ANSWER: **entropy** [prompt on **S**]

[10] This other thermodynamic cycle is often used by jet engines. It includes a combustion chamber and an expansion cylinder, where air and fuel are ignited.

ANSWER: **Brayton** cycle

<Physics>

14. A cat playing with a bird under a table and a clock under a glass dome are symbols that the woman in this painting has become trapped in a harmful relationship. For 10 points each:

[10] Name this painting by William Holman Hunt that might have been intended as a companion to his work *The Light of the World* and depicts a woman rising from her lover’s lap.

ANSWER: *The **Awakening Conscience***

[10] Hunt was a member of this British artistic and literary movement, which sought to evoke medieval and early Renaissance art.

ANSWER: **Pre-Raphaelite** Brotherhood [or **PRB**]

[10] Hunt’s *The Light of the World* depicts this haloed figure knocking at a door. John Everett Millais (“mill-AY”) painted him *in the House of His Parents*, Mary and Joseph.

ANSWER: **Jesus Christ** [accept either name]

<Painting/Sculpture>

15. A field named for these things is often divided into the social and the medical model of its subject, though scholars still debate whether person-first or identity-first language better fits its social model. For 10 points each:
[10] Name these things studied in the queer-influenced crip theory. Scholars differentiate impairments from these things, which are covered by the ADA and may include paraplegy and blindness.

ANSWER: **disabilities** [accept **disability** studies; accept word forms like **disabled**]

[10] This term encompasses such disabilities as chronic pain, dyslexia, and rheumatoid arthritis, which are not immediately noticeable to others.

ANSWER: **invisible** disabilities [or **hidden** disabilities]

[10] Disabled persons may be especially subject to this bias studied by Melvin Lerner, which is the belief that others tend to get the consequences they “deserve.” In a Linda Carli study on this “hypothesis,” respondents blamed the victim more when they heard a “bad” ending to the presented story.

ANSWER: **just world** hypothesis [accept **just world** effect or **just world** phenomenon]

<Social Science>

16. A character in this novel threatens to murder Leach and Johnson, who stage a mutiny against him. For 10 points each:

[10] Name this novel about Humphrey Van Weyden and the ruthless ship captain Larsen.

ANSWER: *The **Sea-Wolf***

[10] *The Sea-Wolf* is by this American author, who wrote about the dog Buck in *The Call of the Wild*.

ANSWER: Jack **London** [or John Griffith **London**; or John Griffith **Chaney**]

[10] Wolf Larsen captains a ship named for this type of person. In a novella, a governess believes that Miss Jessel and Peter Quint are both people of this type.

ANSWER: **ghosts** [or **dead** people; or **spirits** or other synonyms] (The novella is *The Turn of the Screw*.)

<American Literature>

17. This man’s early enemy James Nayler eventually asked this man for forgiveness after being tortured and branded for his heretical choice to reenact Christ’s entry into Jerusalem by entering Bristol on a horse. For 10 points each:

[10] Name this man who is often considered the first of the Valiant Sixty. Before marrying Margaret Fell, this man founded a tradition that witnessed a split between the Wilburite and the Gurneyite factions.

ANSWER: George **Fox**

[10] Fox is considered the founder of this Protestant denomination. Pennsylvania was originally founded as a haven for this group, which is characterized by a belief in God’s presence in everyone, known as “inner light.”

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

[10] Most Quakers don’t celebrate this observance, as they consider it to be hypocritical to fast for part of the year and live in excess for the rest. This observance lasts 40 days, beginning on Ash Wednesday.

ANSWER: **Lent** [accept **Quadragesima**]

<Religion>

18. During this war, an army consisting mostly of young boys was slaughtered at Acosta Ñu (“nyoo”). For 10 points each:

[10] Name this 19th-century conflict in which Argentina, Brazil, and another South American power allied to crush Paraguay, which lost over half its population.

ANSWER: War of the **Triple Alliance** [prompt on **Paraguayan War**]

[10] This nation was the third member of the Triple Alliance. Earlier, Paraguay tried to prevent Brazilian troops from forcing the Blanco party out of this country’s capital, Montevideo.

ANSWER: **Uruguay**

[10] This president led Paraguay into the conflict. He died after making a last stand against Brazilian forces at Cerro Corá.

ANSWER: Francisco Solano **López**

<World History>

19. In the early part of the 20th century, this man proposed the formalization of all existing mathematical theories through a finite, complete set of axioms. For 10 points each:

[10] Name this man whose “program” would allow all true statements to be derived mechanically from said axioms.

ANSWER: David **Hilbert** [accept **Hilbert**’s program]

[10] The goals of Hilbert’s program are impossible to achieve, however, as proven by this mathematician in his incompleteness theorems.

ANSWER: Kurt Friedrich **Gödel** (“GUR-tle”)

[10] To prove his first incompleteness theorem, Gödel created a function that codes formal expressions with these numbers. The set of these numbers is denoted capital N.

ANSWER: **natural** numbers [or the **naturals**]

<Other Science>

20. In his best-known paper, Don Marquis (“MAR-kwiss”) cited the original thought experiment about this person before asking whether fetuses have the right to life, thus giving the “future like ours” account of the wrongness of killing. For 10 points each:

[10] Identify this professional from a thought experiment about abortion. Judith Jarvis Thomson argued that disconnecting yourself from an involuntary blood transfusion with this man would let him die but would not be murder. A description is fine.

ANSWER: a master **violinist** [accept **musician** or clear equivalents describing a **violin** player or **musical** performer]

[10] A chapter on abortion appears in the *Canon of Medicine*, which Avicenna wrote in this language. Aquinas often cited commentaries written in this language by Avicenna’s disciple Averroes.

ANSWER: **Arabic** [or *Al-‘Arabiyyah*; or **‘arabī**] (Aquinas hence called Averroes “the Commentator.”)

[10] Religious critiques of abortion may hinge on the process by which this thing enters the body. Aristotle’s *De anima* states that this immortal, immaterial essence of a person animates the body.

ANSWER: the **soul** [or the **spirit**; or **psyches**; accept **On the Soul** or **Peri Psyches**]

<Philosophy>