

SOUTHEAST-MIDWEST HOUSEWRITE: PACKET 14

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NOTE: THESE TOSSUPS AND BONUSSES ARE PAIRED. IF THE TOSSUP GOES DEAD, SKIP THE ASSOCIATED BONUS. DO NOT GO BACK AND READ ANY BONUSSES THAT ARE SKIPPED.

1. While representing this organization, an eighteen-year old activist chained herself to a Spokane lamppost during a free speech fight. Lucy Parsons was the only woman to address the founding meeting of this organization. One member of this organization led the “March of the Mill Children.” Anna LoPizzo was killed during an action dubbed “Bread and Roses” that this organization took in support of (*) Lawrence textile workers. This organization sought to form “One Big Union” to represent the interest of all workers regardless of race or gender, using the motto “an injury to one is an injury to all.” For 10 points, name this socialist union, co-founded by Mother Jones, whose members were called “Wobblies.”

ANSWER: **Industrial Workers of the World** [or **IWW**; accept **“Wobblies”** before mention]

<Strombeck, American History> [Ed. Nageswaran]

1. These algorithms operate by assigning weights to each edge and then feeding data forward through the layers of nodes. For 10 points each:

[E] Name these algorithms in machine learning that are modeled after the human brain.

ANSWER: **neural network** [or artificial **neural network**]

[M] In neural networks, learning algorithms described by this term do NOT have pre-assigned labels and instead learn patterns to organize data.

ANSWER: **unsupervised** learning [do NOT accept or prompt on “supervised learning”]

[H] One example of unsupervised learning is this clustering algorithm, which defines clusters according to the distance of data points to a centroid.

ANSWER: **k-means** algorithm

<Bowman, Computer Science> [Edited]

2. A standard by a performer of this instrument has saxophones repeat swung three note arpeggios over A flat major sixth chords. A Dixieland style of playing this instrument named after the fact that its performer sat in the back of parade vehicles was used by its performer Kid Ory. This instrument’s performer “Tricky Sam” Nanton played in Duke Ellington’s orchestra with a Puerto Rican player who wrote (*) “Caravan.” Big band era performers of this instrument include Juan Tizol and Tommy Dorsey. A bandleader who played this instrument on recordings of his songs “Moonlight Serenade” and “In the Mood” disappeared while flying over the English Channel. For 10 points, Glenn Miller played what brass instrument that can perform *glissandi* with its slide?

ANSWER: **trombone** [accept slide **trombone**] (The first clue is “In the Mood.”)

<Strombeck, Jazz> [Edited]

2. After being taken to this location by Bessie and Miss Abbot, one character screams because she “saw a light... and thought a ghost would come.” For 10 points each:

[M] Name this location, found in Gateshead Hall. One character is sent to this location after Jack Reed throws a book at her, then gets in a fight with her which she is blamed for.

ANSWER: the **red-room**

[E] This title character of a Charlotte Brontë novel recalls the red-room in a conversation with Miss Temple after she is publicly humiliated by Mr. Brocklehurst, the head of Lowood school.

ANSWER: Jane **Eyre** [or **Jane Eyre**]

[H] Along with the red-room, the Lowood school normalizes this action to "mortify in [the students] the lusts of the flesh." Brocklehurst performs this action to Julia Severn to make her “the child of Grace.”

ANSWER: **cutting hair** [accept equivalents like “getting a haircut”; do NOT accept or prompt on “shaving”]

<Karthik, Long Fiction> [Ed. Leahy]

3. One of these things was demolished to restore the Cheonggyecheon (“CHONG-ye-chon”) in an environmentalist renewal project that spurred “green gentrification.” A ring-shaped type of these things called a *periferico* was incorporated into Larry Ford’s Latin America model. The Golden Quadrilateral Project in India seeks to construct four of these things. The diverging diamond is a novel design for allowing entry to these things. The (*) “Big Dig” project in Boston moved one of these things underground. Jane Jacobs protested against Robert Moses’ plan to demolish Greenwich Village to make room for one of these things. The construction of these roads produced a positive feedback loop with the construction of suburbs. For 10 points, name these roads that comprise the Interstate system in the United States.

ANSWER: **highways** [or **expressways** or **freeways**; accept Interstate **highways**; prompt on **roads**]

<Bowman, Other Academic> [Edited]

3. Techniques like the clawhammer were mimicked in a Louis Gottschalk piano work titled for this instrument, which serves as one of the only records of nineteenth-century Black folk music for this instrument. For 10 points each:

[E] Name this five-stringed instrument later played by Earl Scruggs and Pete Seeger. This string instrument with a circular frame is prominent in bluegrass music.

ANSWER: **banjo**

[M] Gottschalk drew on local music to write many *Souvenirs*, including one based on the *contradanza* from this country. A George Gershwin *Overture* titled for this country includes parts for the *guiro* (“wee-roh”).

ANSWER: Republic of **Cuba** (The *contradanza* is another name for the Habanera.)

[H] Sergey Dianin claims that Creole melodies in Gottschalk’s *Le Bananier* were used in this other work. This oft-extracted finale from Act II of an opera includes the title group singing praises of their leader Khan Konchak.

ANSWER: **Polovtsian Dances** [accept **Polovetsian Dances**, prompt on **Prince Igor**]

<Karthik, Classical Music> [Edited]

4. The causative agent of this disease hijacks a pathway with the p75NTR receptor for very efficient retrograde axonal transport to the central nervous system. Zagreb and Essen name regimens used after exposure to this disease, patients of which must receive four vaccine doses in two weeks and a dose of its agent’s immune globulin. Anna Wessels Williams developed a method to detect Negri bodies, which are used to diagnose this disease. An antiviral cocktail including ketamine and an induced (*) coma are used in the dubious Milwaukee protocol for this disease. It’s not anthrax, but Louis Pasteur developed the first vaccine for this disease. Symptoms of this disease include a refusal to drink water and excess salivation. For 10 points, name this viral disease that may be transmitted by dog or bat bites.

ANSWER: **rabies** virus [or **rabies** lyssavirus; prompt on **hydrophobia**]

<Delot-Vilain, Biology> [Ed. Lei]

4. Marshall McLuhan (“mick-LOO-ehn”) split these things into “hot” and “cool” types based on how much audience participation is needed to engage with them. For 10 points each:

[M] Name these things, the study of which was pioneered by McLuhan. He famously stated that a single one of these things “is the message,” arguing that we should study *them* rather than the content they carry.

ANSWER: **media** [or **mediums**; accept specific types of media such as mass **media** or digital **media**; accept hot **media** or cool **media**]

[E] McLuhan analyzed the effect of mass media on early European culture in a book named after this man’s *Galaxy*. According to McLuhan, this man’s invention of the printing press began moving societies towards a “global village.”

ANSWER: Johannes **Gutenberg** [or Johannes Gensfleisch zur Laden zum **Gutenberg**; accept **Gutenberg Galaxy**]

[H] This other book argues that “print capitalism” allowed entrepreneurs to use vernacular media to reach a wider audience. This book by Benedict Anderson compares the notion of “nations” to the title constructs.

ANSWER: **Imagined Communities: Reflections on the Origin and Spread of Nationalism**

<Ashbrook, Other Social Science> [Edited]

5. In a story titled for one of these people, the narrator differentiates “Outlaws” like himself from the law-abiding “In-laws” such as the buffoonish cop “Hitler-face.” Silence is compared to the sounds made after “earth has stopped the ears” in a poem titled for one of these people. A boy rebels against the borstal he’s sent to in a story titled for one of these people that was associated with the Angry Young Men. A poem pictures the “gaze of strengthless dead” aimed at the head of one of these people, who is called a (*) “townsman of a stiller town.” That poem’s narrator remarks that the laurel “withers quicker than the rose” while recalling a time one of these people was “chaired through the marketplace.” For 10 points, *A Shropshire Lad* contains a poem addressed to what sort of person “Dying Young?”

ANSWER: **athletes** [or **runners**; accept equivalents like cross-country **runners**; accept “The Loneliness of the Long-Distance **Runner**”; accept “To an **Athlete** Dying Young”]

<Ashbrook, Short Fiction/Other> [Edited]

5. Answer the following about Harold Godwinson, for 10 points each.

[M] Harold Godwinson successfully defeated an attempted invasion of England by his brother, Tostig, and this Norwegian king at Stamford Bridge. This successor of Magnus I earlier defeated Denmark at the Battle of Nisa.

ANSWER: Harald **Hardrada** [accept **Harald III** or **Harald Sigurdsson**; prompt on **Harald**]

[E] After winning at Stamford Bridge, Harold fought and lost to this man at the Battle of Hastings. After this Norman became King of England, he ordered the Harrying of the North and the compilation of the Domesday Book.

ANSWER: **William the Conqueror** [accept **William I** or **William the Bastard**; prompt on **William**]

[H] Harold was a member of the House of Godwin, which gained the Earldom of Wessex from this English king. This man deposed Edmund Ironside to become king of England after the Siege of London.

ANSWER: **Cnut** the Great [accept **Canute**]

<Sareddy, British/European History> [Ed. Prabhakar]

6. Maureen Malloy argued that this thinker’s studies helped form a “usable culture” for Americans because they were actually about personifications of American identity problems. This thinker detailed two types of marriage practiced by one culture, the lower of which involved private elopement and was called *avaga*. This author’s explanation that people would fake virginity to adhere to the *taupou* system was (*) challenged in a book about the “Making and Unmaking of an Anthropological Myth.” This author, who analyzed gender roles in the Arapesh, Mundugumor, and Tchambuli tribes, also wrote a book detailing the relaxed sexual lives of adolescent girls on a Pacific island. For 10 points, name this anthropologist who wrote *Sex and Temperament* and *Coming of Age In Samoa*.

ANSWER: Margaret **Mead**

<Sareddy, Anthropology> [Ed. Ashbrook]

6. The end-product of the shikimate pathway, chorismate, is required to produce this compound via the isochorismate or phenylalanine ammonia-lyase pathways. For 10 points each:

[H] Name this compound, which functions as an endogenous signal to activate systemic acquired resistance. The NPR1 protein regulates cross-talk between pathways named for jasmonic acid and this compound.

ANSWER: **salicylic** acid [or **2-hydroxybenzoic** acid; prompt on **SA**]

[E] Salicylic acid was identified as a plant defense hormone when Raymond White observed that its application to this plant conferred resistance against its namesake “mosaic virus.” This plant uses nicotine as protection against herbivores.

ANSWER: **tobacco** plant [or **Nicotiana**; accept **tobacco** mosaic virus]

[M] In *Arabidopsis*, salicylic acid has been linked to this process, which is accelerated in the *acd11* mutant. The protein Bax, a member of the Bcl-2 family, promotes this process, as does binding of Fas ligand to Fas.

ANSWER: **programmed cell death** [or **PCD**; accept **apoptosis**]

<Karthik, Biology> [Ed. Lei]

7. In an awkward intimate scene in which a boy talks about how easily his chino pants wash, this character describes that boy’s genitals as “turkey gizzards.” At the beginning of the novel in which she appears, this character enters a room with twelve “bored” girls at a hotel who later all get food poisoning from crab legs. After listening to the “old brag” of her heart go “I am, I am, I am,” this character walks out into a room of (*) doctors at the end of the novel in which she appears. This character learns to ski with her creepy boyfriend Buddy Willard at a sanatorium. This character begins the coming-of-age novel in which she appears by describing the “queer, sultry summer, the summer when they electrocuted the Rosenbergs.” For 10 points, name this fashion magazine writer, the narrator of Sylvia Plath’s *The Bell Jar*.

ANSWER: **Esther** Greenwood [or Esther **Greenwood**]

<Bowman, Long Fiction> [Edited]

7. During a 2013 mayoral campaign, this politician came under fire for comments calling for the removal of all Georgians from his country. For 10 points each:

[M] Name this opposition leader who was sent to penal colony IK-2 upon returning to his home country from Germany, where he had been recovering from a coma induced by poisoning.

ANSWER: Alexei **Navalny**

[E] Navalny is the most prominent critic of this longtime Russian president. In 2020, this president won a referendum to amend the constitution, allowing him to remain in power until at least 2036.

ANSWER: Vladimir Vladimirovich **Putin**

[H] German doctors confirmed that Navalny was poisoned at a Tomsk airport by a cup of tea containing this class of nerve agent. This class of agent was used to poison Sergei Skripal and his daughter in Salisbury, England in 2018.

ANSWER: **Novichok** agent

<Strombeck, Current Events> [Ed. Nageswaran]

8. The specular alloy spiegeleisen reduces impurities in a process for manufacturing this substance. Fluxes of basic materials are used in the Linz-Donawitz process for producing this substance, which replaced open-hearth methods. One process mainly performed on this substance has hot-dip and thermal diffusion varieties. The input for one process that produces this substance is the (*) “pig” form of a metal. Chromium is sometimes added to this substance to create a type of it resistant to rusting. An early industrial process for the mass production of this substance was invented by Henry Bessemer. For 10 points, name this metal alloy of iron and carbon that comes in a “stainless” type.

ANSWER: carbon **steel** [accept stainless **steel** or **cast iron**; do NOT accept or prompt on “iron”]

<Delot-Vilain, Chemistry> [Ed. Lei]

8. *Maechi* (“may-chee”) are laywomen who dedicate themselves to this religion but can’t become nuns. For 10 points each:

[E] Name this religion whose Theravada (“thare-uh-VAHD-uh”) branch is prominent in Thailand, where the *maechi* are located.

ANSWER: **Buddhism** [accept Theravada **Buddhism**]

[M] Buddhist nuns are governed under the Bhikkuniyavhanga (“bee-KOO-nee-vee-bahn-guh”) section of the Vinaya Pitaka, part of this collection of holiest texts in Theravada Buddhism. The Sutta and Abhidhamma (“ah-bee-DAHM-muh”) Pitakas are also part of this collection.

ANSWER: **Pali Canon** [or **Tripitaka**; accept **Tipitaka**; prompt on “Three Baskets”]

[H] The faithful nun Miaoshan is sometimes seen as an incarnation of Guanyin, the Chinese variant of this bodhisattva of infinite compassion. Tibetan Buddhists consider the Dalai Lama an incarnation of this bodhisattva.

ANSWER: **Avalokitesvara** [or **Avalokiteshvara**; accept **Padmapani**; prompt on **Kannon**]

<Prabhakar, Religion> [Edited]

9. A play whose name translates to *The Signet of the Minister* dramatizes the rise to power of one ruler of this empire. The medical scholar Charaka taught at a university in this empire which was located on a route whose name translates to the “northern road.” One of the wives of this empire’s third ruler blinded her stepson Kunala. Deimachus was an ambassador to this empire whose final monarch was deposed and defeated by the (*) Sunga dynasty. Megasthenes visited the court of this empire’s first monarch who defeated Dhana Nanda with the help of an advisor named Chanakya. The violence of the Kalinga War led to one ruler of this empire renouncing violence and converting to Buddhism. For 10 points, name this empire ruled by Ashoka the Great.

ANSWER: **Mauryan Empire**

<Prabhakar, Other History> [Edited]

9. A lithograph by Odilon Redon shows one of these body parts floating “Like a Strange Balloon” as it “Moves Toward Infinity.” For 10 points each:

[E] Name these body parts. A creature whose face is dominated by this body part towers over the sleeping nymph Galatea in Redon’s *The Cyclops*.

ANSWER: **eyes**

[M] Whimsical paintings like Redon’s *The Cyclops* exemplify this art movement that rejected naturalism in favor of dreamlike imagery. Artists from this movement were partially inspired by the stories of Edgar Allan Poe.

ANSWER: **Symbolism** [accept word forms like **Symbolist**]

[H] This other Symbolist painter used detailed colors and brushwork on paintings like *The Chimera* and *Dream of the Orient*. A woman leans on the title god’s leg in this artist’s incredibly intricate *Jupiter and Semele*.

ANSWER: Gustave **Moreau**

<Ashbrook, Painting & Sculpture> [Edited]

10. It’s not Moses, but one hadith claims that this figure met once every year with the holy man al-Khidr in Jerusalem. This figure appeared in an 1836 vision before Joseph Smith in the Kirtland temple. This figure’s 40 days spent in a cave at Mount Horeb is the reason for a chair being set aside for him at *brit milah* ceremonies. This man promised the widow of Zarephath a constant supply of flour and oil and (*) revived her son. This man who confronted Ahab over the seizure of Naboth’s vineyard also appeared with Moses at the Transfiguration of Jesus. This prophet prayed for fire from heaven during a contest with the priests of Baal. For 10 points, name this Hebrew prophet who mentored Elisha and went to heaven in a fiery chariot.

ANSWER: **Elijah** the Tishbite [accept **Elias**; accept **Eliyahu**; accept **Ilyas**, do NOT accept or prompt on “Elisha”]

<Prabhakar, Mythology> [Edited]

10. The Johns Committee published the “Purple Pamphlet” about homosexuals in this state. For 10 points each:
[H] Name this state. An ordinance in one of this state’s cities outlawing discrimination on the basis of sexual orientation was overturned after a campaign led by singer Anita Bryant called “Save Our Children.”

ANSWER: **Florida**

[M] In response to the overturning of that ordinance, this gay activist led a five-mile march through San Francisco. Sometimes referred to as the “Mayor of Castro Street,” this man and George Moscone were murdered in 1978.

ANSWER: Harvey Bernard **Milk**

[E] Milk helped defeat the Briggs Initiative, which would have banned gays and lesbians from being employed at these places. These places were desegregated by the decision in *Brown v. Board*.

ANSWER: public **schools** [accept high **schools**; accept middle **schools**; accept elementary **schools**; do NOT accept or prompt on “colleges” or “universities”]

<Prabhakar, American History> [Edited]

11. In a work by this composer, a clock chime cues the finale fugue that weaves together the themes of the Child, Mother, and Father. An expansive E-flat major arpeggio in horns and strings opens another work by this composer that later uses a sinister theme of parallel fifths played by tubas to represent Doktor Dehring. A work by this composer includes a fugue theme with all twelve notes in the movement (*) “Of Science” and opens with a sustained low C by an organ. This composer of *Symphonia Domestica* and the biographical *Hero’s Life* wrote a tone poem which begins with a rising “C G C” in the trumpets representing sunrise and was used in the film *2001: A Space Odyssey*. For 10 points, name this German composer of *Also sprach Zarathustra*.

ANSWER: **Richard Strauss** [prompt on **Strauss**]

<Karthik, Classical Music> [Ed. Strombeck]

11. In the prelude to the novel this character appears in, a puppet modeled after this character is “uncommonly flexible in the joints, and lively on the wire.” For 10 points each:

[M] Name this character. After graduating from Miss Pinkerton’s Academy, this character throws a dictionary out of a carriage window after her friend receives an autographed copy.

ANSWER: **Becky Sharp** [accept either underlined name]

[E] This author wrote about Becky Sharp in his “novel without a hero,” *Vanity Fair*.

ANSWER: William Makepeace **Thackeray**

[H] In a game of charades with the Marquis of Steyne, Becky performs as this character “with such ghastly truth” opposite Colonel Crawley. Thackeray depicts Sharp in her “second appearance” as this character in *Vanity Fair*’s penultimate illustration.

ANSWER: **Clytemnestra**

<Mehra, Long Fiction> [Ed. Leahy]

12. The factor groups in the composition series of a solvable group all have one of these numbers as their order, a fact which is used in a proof of the Abel-Ruffini theorem. When n is one of these numbers, the quantity “ a plus b to the n ” is congruent to “ a to the n plus b to the n , modulo n ,” a result called the Freshman’s Dream. A cyclic group is simple if and only if its order is one of these numbers. There exist arbitrarily long (*) arithmetic progressions of these numbers according to the Green-Tao theorem. These numbers can be generated by multiplying all of the previous numbers of this type and adding one, which proves that there are infinitely many of these numbers. For 10 points, name these numbers that are only divisible by one and themselves.

ANSWER: **prime** numbers

<Bowman, Math> [Edited]

12. In legends from this region, Jack the Giant Killer slew the cattle-stealing Cormoran (“KOWR-mor-an”) and received a sword and a belt for his troubles. For 10 points each:

[H] Name this region. Uther Pendragon disguised himself as a Duke of this region in order to sneak into this region’s castle of Tintagel (“TIN-tah-juhl”) and father King Arthur.

ANSWER: **Cornwall** [accept **Kermow**; prompt on **England**]

[M] King Mark of Cornwall is the uncle of this Arthurian hero, who falls in love with an Irish woman after they both accidentally drink a love potion.

ANSWER: **Tristan** [accept **Tristram**]

[E] Several Cornish stories concern these types of beings, including some living at Zennor and Padstow. These beings are often depicted with the upper body of a woman and a fish tail for a lower body.

ANSWER: **mermaids**

<Delot-Vilain, Mythology> [Edited]

13. Nathalie Lemel established the restaurant La Marmite to serve free food during this event. The forces of one side during this event were led by Jaroslav Dombrowski. Despite demanding to face the death penalty for her participation in this event, the “Red Virgin” (*) Louise Michel was exiled to New Caledonia. Thousands of men, women, and children were killed by troops under Marshal MacMahon during this event’s “Bloody Week.” The Vendôme Column was destroyed during this event. Renovations implemented by Baron Haussmann may have hastened the end of this event which was suppressed by Adolphe Thiers’ (“tee-AIR”) forces. For 10 points, name this short-lived socialist government that controlled France’s capital.

ANSWER: **Paris Commune** [accept descriptions of the suppression of the **Paris Commune**]

<Delot-Vilain, British/European History> [Ed. Prabhakar]

13. Answer some questions about metal-organic frameworks, or MOFs, for 10 points each.

[M] MOFs consist of frameworks of metallic nodes widely separated by organic linkers, giving them a very high value for this property. Zeolites also have a high value for this property, making them useful for adsorption.

ANSWER: **surface area** [accept **porosity**; prompt on **area**]

[H] The versatile MOF NU-1000 has nodes consisting of oxygen and this element. The Kroll process isolates titanium and this element, which is found in a piezoelectric perovskite with lead, oxygen, and titanium.

ANSWER: **zirconium** [or **Zr**; do NOT accept or prompt on “zircon”]

[E] MOF nodes make good supports for other metallic catalysts due to the presence of multiple stray -OH groups, characteristic of these compounds. Methanol and ethanol are both this type of compound.

ANSWER: **alcohols** [or **hydroxyls**]

<Ashbrook, Chemistry> [Ed. Lei]

14. In one essay, these objects are compared to a Greek temple in how they connect the “World” and “Earth,” or the enclosed meaning of things and background that those meanings emerge in. Modern versions of these objects no longer experience philosophical constraints according to Arthur Danto. John Dewey called for “restoring continuity” between these objects and everyday life in a book about converting them into (*) “experience.” The “aura” of these objects is ruined by the ability of machines to reproduce them according to a Walter Benjamin (“BEN-yeh-minn”) essay. Martin Heidegger tried finding the essence of these objects in an essay on their “Origin,” which examines one of these objects titled for “A Pair of Shoes.” For 10 points, name these objects that are studied in aesthetics.

ANSWER: works of **art** [or **artworks**; accept more specific answers such as **paintings** or **drawings**; accept “The Origin of the Work of **Art**”; accept **Art as Experience**; accept “The Work of **Art** in the Age of Mechanical Reproduction”]

<Ashbrook, Philosophy> [Edited]

14. This film culminates in the “Life Is Beautiful” exhibition, which unexpectedly sells nearly a million dollars’ worth of art. For 10 points each:

[H] Name this 2010 documentary film, which details the rise of Thierry Guetta under the name Mr. Brainwash.

ANSWER: **Exit Through the Gift Shop** [accept but do NOT otherwise reveal **Exit Through the Gift Shop: A Banksy Film**]

[E] *Exit Through the Gift Shop* was directed by this pseudonymous English street artist. In 2018, this artist’s painting *Girl with Balloon* was partially shredded at auction.

ANSWER: **Banksy**

[M] During one scene in the film, Guetta is caught by security while filming Banksy placing a Guantanamo Bay detainee doll at this location. In 2015, Banksy parodied this location with a pop-up exhibition in Somerset described as a place of “bemusement.”

ANSWER: **Disneyland** Park [accept **Dismaland**; prompt on **Disney**; do NOT accept or prompt on “Disney World” or “Walt Disney World”]

<Dantzler, Miscellaneous Fine Arts> [Edited]

15. This poet describes an entity whose “bandage hides two festering sores / that once perhaps were eyes” in his poem “Justice.” The speaker of a poem by this man saw a “muddy bosom turn all golden in the sunset” and “built [his] hut near the Congo.” “Ancient as the world” and “older than the flow of human blood in human veins” are descriptions used for (*) rivers in that poem by this author. A man in a poem by this author “can’t be satisfied” and his foot goes “Thump, thump, thump” on the floor while playing a “drowsy, syncopated tune.” In another poem, this author asks “Does it stink like rotten meat?” before speculating if a dream deferred would “dry up / like a raisin in the sun.” For 10 points, name this Harlem Renaissance poet of “The Negro Speaks of Rivers” and “The Weary Blues.”

ANSWER: Langston **Hughes**

<Lei, Poetry> [Ed. Leahy]

15. James Prendergast called this document a “simple nullity” in an 1877 court case. For 10 points each:

[M] Name this 1840 treaty between the British Empire and over 500 Māori chiefs. Translators questionably used the words “kawanatanga” and “rangatiratanga” to refer to “government” and “chieftainship” in this treaty.

ANSWER: Treaty of **Waitangi**

[E] The Treaty of Waitangi was signed between the British and Māori chiefs in this largest Polynesian country. The Māori later fought many wars against the British on this country’s North and South Islands.

ANSWER: **New Zealand** [accept **Aotearoa**]

[H] The treaty was drafted up by James Busby and this other British official. This naval officer and first British governor of New Zealand gained the nickname “Lion” for his efforts fighting pirates in the Caribbean.

ANSWER: William **Hobson** [accept Lion **Hobson**]

<Sareddy, Other History> [Ed. Prabhakar]

16. Description acceptable. An object bordered with tassels known as a *gargush* was designed for this action and is used in Yemeni Jewish communities. This action is compared to a spiritual light in verse 24:31, which is one of very few Quranic justifications for this action. The Rasam Pagri ceremony involves passing down an item used for this action after a family death. There is dispute in Orthodox Judaism over whether the use of a *sheitel* is an appropriate way to accomplish this action. Paul's explanation of this action in the first part of (*) First Corinthians 11 is the main justification for why Amish women do it. Dastars are used to accomplish this action in order to uphold *kes*, one of the Five Ks. For 10 points, describe this action that may be accomplished using a *kippah* or *hijab*.

ANSWER: covering one's head [or covering one's hair; accept any description of using a hat or headdress or scarf or shawl or head wrap to cover one's hair or head; prompt on modesty by asking "what specific action is being taken to ensure modesty?"; prompt on *tznius* or *tzniut* by asking "which requirement of *tznius* is being referred to in the question?"; prompt on covering the body by asking "what part of the body?"]

<Delot-Vilain, Religion> [Ed. Ashbrook]

16. In an Elizabeth Bishop poem set in this place, a stuffed loon resides on a "white frozen lake / the marble-topped table," watching over a coffin compared to a "little frosted cake." For 10 points each:

[H] Name this place, the setting of a poem that describes the funeral of the narrator's cousin Arthur. That poem is titled for the "First Death" in this place and draws from Bishop's childhood, some of which was spent in this place.

ANSWER: Nova Scotia [accept "First Death in Nova Scotia"; prompt on Canada]

[E] Bishop's "In the Waiting Room" describes a visit to the dentist with her aunt as a six-year-old during this conflict. Wilfred Owen's participation in this conflict led him to write poems like "Dulce et Decorum Est."

ANSWER: World War I [or WWI; or the First World War; or the Great War]

[M] At Vassar College, Bishop met this other poet, whom she later addressed in an "Invitation" that repeats the line "Please come flying." The line "I, too, dislike it" opens this poet's poem "Poetry."

ANSWER: Marianne Moore

<Karthik, Poetry> [Ed. Leahy]

17. A member of a group of artists known for copying the style of this painter depicted an eerily smiling pale woman clutching a bunch of grapes while a monkey does the same in the bottom left in *Bacchante with an Ape*. An adopter of this artist's style depicted a horned lamb with its legs bound together in *Agnus Dei*. Hendrick ter Brugghen and Gerrit van Honthorst were members of a school named for this artist based in (*) Utrecht. In one work, this artist painted a gloved man signaling to a boy in a yellow and black striped vest as he secretly reaches into a back pocket. Francisco de Zurbarán was known as the "Spanish" version of this painter due to his use of tenebrism. In a painting by this artist of *The Cardsharps*, a beam of light illuminates a tax collector as Christ points to him. For 10 points, name this chiaroscuro master who painted *The Calling of Saint Matthew*.

ANSWER: Michelangelo Merisi da Caravaggio [accept Utrecht Caravaggisti]

<Delot-Vilain, Painting & Sculpture> [Edited]

17. Answer the following about the importance of masks in traditional African culture, for 10 points each.

[H] This country's Songye people, who live between the Sankuru and Lualaba Rivers, wear *kifwebe* masks, which combine elements of various animals. One of those animals, the okapi, is this country's national animal.

ANSWER: **Democratic Republic of the Congo** [accept **DRC** or **DROC**; do not accept nor prompt on "Republic of the Congo" or "Congo"]

[E] The *kple kple* is a mask used during dances by the Baoulé people of the central part of this country. Yamoussoukro became this country's capital after it was moved there from Abidjan in 1983.

ANSWER: Republic of **Côte d'Ivoire** [accept **Ivory Coast**]

[M] Over 78 different masks are used in the dances and religious rituals of the Dogon people, who live in the Bandiagara Escarpment of this country. This country is home to the Tuareg-controlled breakaway state of Azawad.

ANSWER: Republic of **Mali**

<Sareddy, Geography> [Edited]

18. Competing international interests in this industry led to the Red Line Agreement. Businessman Calouste Gulbenkian made most of his fortune from this industry. The nationalization of one company in this industry triggered the Abadan Crisis. The Australian Wheat Board paid kickbacks as part of a controversial United Nations program that allowed one country to receive (*) food and other aid in exchange for exports from this industry. One leader's nationalization of this industry led to his overthrow in Operation Ajax. During the Yom Kippur War, one country began the process of nationalizing this industry by taking over ARAMCO. For 10 points, OPEC is made up of countries that extract what commodity, whose biggest exporter is Saudi Arabia?

ANSWER: **oil** industry [accept **petroleum** industry; accept **gas** industry; accept the Iraq **Petroleum** Company; accept British **Petroleum**; accept **Oil**-for-Food Programme; accept Saudi Arabian **Oil** Company; accept Arabian-American **Oil** Company; accept Organization of the **Petroleum** Exporting Countries; prompt on **energy** industry]

<Nageswaran, World History> [Ed. Prabhakar]

18. Bell's theorem states that for hidden-variable theories to be compatible with quantum physics, they must violate this property. For 10 points each:

[H] Name this property which, when treating the speed of light as the maximum speed, holds that any information from causal events can only travel up to as fast as the speed of light.

ANSWER: **locality**

[E] The idea that quantum mechanics is a nonlocal theory was presented by this scientist, Podolsky, and Rosen in a 1935 thought experiment. This scientist proposed the theories of special and general relativity.

ANSWER: Albert **Einstein**

[M] These hypothetical particles would violate locality because, by definition, they travel faster than the speed of light.

ANSWER: **tachyons**

<Bowman, Physics> [Edited]

19. For a skew-symmetric matrix R in $SO(3)$, R -dot times R -inverse gives this quantity for the spatial coordinates, while R -inverse times R -dot gives this quantity for the body-fixed frame. For rigid fluid motion, the vorticity vector is equal to two times this vector quantity. The components of this pseudovector can be expressed solely in terms of the three Euler angles and their derivatives. The (*) Coriolis force is proportional to this quantity crossed with its linear analogue. This quantity squared multiplied by r gives centripetal acceleration. Angular momentum is equal to moment of inertia times this quantity. For 10 points, name this vector quantity which is symbolized omega and measured in radians per second.

ANSWER: **angular velocity** [do NOT accept or prompt on or "velocity"]

<Physics, Karthik> [Ed. Bowman]

19. In advocating for this practice, the speaker of one work claims he "differs even from Laplanders, and the inhabitants of Topinambo." For 10 points each:

[M] Name this practice, which one essay promises will generate "eight sterlings per annum" for the "poorer tenant." and "greatly reduce the number of Papists."

ANSWER: **eating** Irish **babies** [accept **one year-olds** in place of babies; accept **eating** Irish **children**; prompt on **eating people** or **cannibalism**; prompt on "A **Modest Proposal**" with "what practice does *A Modest Proposal* advocate?"]

[E] This author, who satirized the Catholic and Anglican churches in *A Tale of a Tub*, jokingly suggested that 100,000 Irish babies should be kept aside each year and eaten in his essay "A Modest Proposal."

ANSWER: Jonathan **Swift**

[H] In "A Modest Proposal," Swift attributes his plan to the "native of Formosa" George Psalmanazar, a real-life friend of this other author. This man is indignant "that Scotland has so few trees" in a Lydia Davis story.

ANSWER: Samuel **Johnson** [or Dr. **Johnson**]

<Karthik, Short Fiction/Other> [Ed. Leahy]

20. In this play, one character threatens to go down to "one of those smart hotels on the front" before he is offered fried bread to replace his spoiled milk. A character in this play calls another a "succulent old washing bag" after that character says that he "shouldn't say that to a married woman." In one scene in this play, a character is asked three times in succession why the chicken crossed the road. In that scene, a man is (*) interrogated on why he betrayed the organization and if the number 846 is "possible or necessary". The main character of this play rapes Lulu after the power goes out during a game of Blind Man's Bluff. The boarding house owner Meg gives a toy drum to another character before this play's title occurrence. Goldberg and McCann torment Stanley Webber, in, for 10 points, what play by Harold Pinter?

ANSWER: *The **Birthday Party***

<Karthik, Drama> [Ed. Leahy]

20. The *iraca* was the religious leader of a civilization in this modern-day country. For 10 points each:

[H] Name this country where that civilization was ruled by secular leaders known as the *zipa* ("zee-pah") and the *zaque* ("ZAH-kay"). That civilization in this country was subjugated by Gonzalo Jiménez de Quesada ("hee-MEN-ess day kay-SAH-duh").

ANSWER: Republic of **Colombia**

[M] Colombia was home to the Muisca civilization, who dressed up in the skin of this animal as part of their religious rituals. Along with the Eagle warriors, the Aztecs had a class of elite warriors named for this animal.

ANSWER: **jaguars**

[E] The Muisca traditionally crowned the *zipa* by covering him in the dust of this precious metal and having him jump into Lake Guatavita. That tradition gave rise to the myth of El Dorado, a city of this precious metal.

ANSWER: **gold**

<Prabhakar, World History> [Edited]
