

# SOUTHEAST-MIDWEST HOUSEWRITE: PACKET TEN

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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.

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**1. During one rebellion in this region, a mob killed soldiers who could not correctly pronounce the word for chickpeas. A siege of one city in this region was relieved when the besieging army's camp suffered a tarantula infestation. A world map named for this region's king was designed by the geographer Muhammad al-Idrisi. This island was conquered by (\*) Robert Guiscard ("geese-CARD") and his brother Roger Bosso, who became the first ruler of its namesake county in the 11th century. Charles of Anjou lost control over this island after a mob killed French soldiers on Easter Sunday in its city of Palermo. For 10 points, name this island south of the Italian Peninsula which experienced a rebellion known as its namesake "Vespers."**

ANSWER: Sicily [or Kingdom of Sicily; or Sicilia; accept County of Sicily; accept Emirate of Sicily]

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

1. This poem describes people who were ruined by "fools in old-style hats and coats." For 10 points each:

[M] Name this poem by Philip Larkin, which ends by urging the reader to "Get out as early as you can / and don't have any kids yourself."

ANSWER: "This Be The Verse"

[E] Larkin borrowed the title of "This Be The Verse" from this author's "Requiem," which describes "the hunter home from the hill." This author is better known for his novels, including *Treasure Island*.

ANSWER: Robert Lewis Balfour Stevenson

[H] The title of Larkin's "Sad Steps" alludes to Sonnet 31 of this poetic sequence, which begins "With how sad steps, O Moon, thou climb'st the skies!" This Philip Sidney work describes the romance between its astronomically-inspired title characters.

ANSWER: Astrophel and Stella [accept Astrophil and Stella]

<Aidan/Leahy, Poetry> [Edited]

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**2. The traction vector is equal to a component of this quantity times the normal vector. The second invariant of the deviatoric tensor representing this value is symbolized "J-sub-2" and is equal to "k-squared" by the von Mises criterion. This quantity begins to decrease from its maximum value during the necking phase. A graph that plots this quantity on the (\*) y-axis leaves the linear elastic regime at the yield point. A tensor named for Cauchy is used to calculate this quantity. This quantity is in the numerator in the formula for Young's modulus. This quantity is calculated as force over cross-sectional area and is symbolized sigma. For 10 points, name this measure of internal forces that cause strain within a material.**

ANSWER: stress [prompt on sigma before mentioned]

<Bowman, Physics> [Edited]

2. This period gets its name from a set of annals chronicling the state of Lu during this period. For 10 points each:  
[M] Name this ancient period, during which the Five Hegemons gained power at the expense of the Zhou Dynasty. The annals for which this period is named were purportedly written by Confucius.

ANSWER: **Spring and Autumn** Period [accept *Spring and Autumn Annals*]

[H] The *Spring and Autumn Annals* were cited by this work written by Sima Qian (“shee-MUH chee-AHN”). This work established many of the conventions used in later works of Chinese historiography.

ANSWER: **Records of the Grand Historian** [accept *Shiji*]

[E] Another work, the *Zhan Guo Ce* (“ZHAN guo tsuh”), discussed military strategies used during the Warring States Period, including those used by this dynasty. This dynasty unified China under Shi Huangdi after ending the Warring States Period.

ANSWER: **Qin** dynasty

<Sareddy, Other History> [Ed. Prabhakar]

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3. Alex Ross claims that this scholar was the forebearer of “the cultural and political unconscious of modernity” in a 2020 book titled [this writer] “-ism.” In one essay, this scholar praised the tragedies of Aeschylus for bringing forth “the highest conceivable form of Art.” This scholar’s essay “The Artwork of the Future” sought to reconcile music, fiction, and dance through his concept of the (\*) “total work of art.” In another essay, this scholar attacked composers like his mentor Giacomo Meyerbeer for their “Hebraic art-taste.” This composer conceptualized the *leitmotif* to represent characters in his works, which he often staged in Bayreuth (“bye-ROYT”). For 10 points, name this anti-Semitic author of “Jewishness in Music” and composer of the operatic *Ring Cycle*.

ANSWER: (Wilhelm) Richard **Wagner**

<Bowman/Dantzler, Miscellaneous Fine Arts> [Edited]

3. Answer some questions about Jain symbolism, for 10 points each.

[M] *Ahimsa* is symbolized by an open hand with one of these objects in the palm. The Jain conception of time is analogized to one of these things.

ANSWER: **wheel**

[E] The four arms of this Jain symbol represent the four types of beings. This symbol prevalent in Eastern religions was appropriated by the Nazi party to represent hypernationalist pride.

ANSWER: **swastika**

[H] The dots above the swastika on the Jain flag represent these tenets for achieving liberation. The tenet of *samyak tap*, or “right asceticism,” is sometimes included with these tenets.

ANSWER: the **triple gems** [or **triple jewels**; or *ratnatraya*; accept “**three**” in place of “**triple**”; accept right **faith, knowledge, and conduct**]

<Mehra/Ashbrook, Religion> [Edited]

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4. This politician was criticized after an eleven-year old boy was killed at an intersection whose traffic light had been converted under this politician’s Smart Streets program. This founder of the Win the Era PAC ran in his most recent campaign with the help of strategist Lis Smith. During an NYT interview, this politician faced accusations of fixing bread prices while working with a Canadian grocery chain. This politician declared (\*) “you have shocked the nation” in a victory speech given before knowing the results of the Iowa Caucus. In another speech, this former McKinsey consultant described his struggle with being gay and meeting his husband Chasten. For 10 points, name this Secretary of Transportation, a former mayor of South Bend who ran for president in 2020.

ANSWER: Pete **Buttigieg** [or Peter Paul Montgomery **Buttigieg**; prompt on Mayor Pete]

<Strombeck, Current Events> [Ed. Nageswaran]

4. The lasso version of this type of analysis uses shrinkage to generate a model with few parameters. For 10 points each:

[E] Name this type of analysis that estimates the relationship between variables. Least-squares methods can be used in this type of analysis to compute the line of best fit.

ANSWER: **regression** analysis

[M] The `lm()` (“L-M”) function can be used to perform linear regression in this programming language. This language with a one-letter name is commonly used in data science.

ANSWER: **R**

[H] This quantity provides an absolute measure of fit for regression models. This quantity can be calculated as *[read slowly]* “the square root of the quantity one minus  $r$ -squared, all times the standard deviation of  $y$ .”

ANSWER: **RMSE** [or **root-mean-square error** or **RMSD** or **root-mean-square deviation**]

<Bowman, Math> [Edited]

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5. A prisoner who teaches himself English by reading *Moby Dick* appears in a novel from this country composed of 116 vignettes. In a novel from this country, a writer is transformed into a 17-year old and sent back to school after being belittled by Professor Pimko. An author from this country portrayed the death of a character named Bigfoot after he chokes on deer bones in (\*) *Drive Your Plow Over the Bones of the Dead*. In a novel from this country, an investigator pursues a woman who draws a fish in the sand. The giant bodyguard Ursus strangles a bull to death in a novel from this country that ends with two characters slitting their wrists. That novel follows the love between Marcus Vincius and the Christian Lygia during Nero’s reign. The novel *Quo Vadis* is from, for 10 points, what country, home to authors Olga Tokarczuk (“toe-car-chook”) and Henryk Sienkiewicz (“shenk-eh-witch”)?

ANSWER: **Poland**

<Kala, Long Fiction> [Ed. Leahy]

5. Answer the following about music related to the “Steps to Parnassus,” or *Gradus ad Parnassum*, for 10 points each.

[E] After a discussion of the rules of counterpoint, Johann Fux’s (“FYOOKS-es”) *Gradus ad Parnassum* details how to write works in this musical form. Pieces in this form are paired with preludes in the *Well-Tempered Clavier*.

ANSWER: **fugues**

[H] Carl Czerny published many etudes in his four book *Nouveau Gradus ad Parnassum*, as well as this collection. As this work’s name suggests, it builds a piano student’s ability to maintain phrasing and dynamics in fast pieces.

ANSWER: ***School of Velocity***, Op. 299

[M] Claude Debussy included an etude-like movement called “Doctor Gradus ad Parnassum” in this piano suite, which also includes “Jimbo’s Lullaby” and the ragtime-inspired “Golliwog’s Cakewalk.”

ANSWER: ***Children’s Corner***

<Karthik, Classical Music> [Ed. Strombeck]

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6. An object from a poem in this collection is described as “purply black, as erst to Pindar’s eyes.” That poem describes finding a “lock which outweighs argosies” while bartering locks of hair on “The soul’s Rialto.” The narrator of a poem in this collection remembers “the name I used to run at” before asking the reader to “gather the (\*) north flowers to complete the south.” In the opening poem of this collection, the narrator is held by “Not Death, but Love” while musing on the songs of Theocritus. Descriptions such as “freely, as men strive for Right” appear in a poem in this collection whose opening line asks “How do I love thee? Let me count the ways.” For 10 points, name this collection of fourteen-line poems written by Elizabeth Barrett Browning.

ANSWER: ***Sonnets from the Portuguese***

<Ashbrook, Poetry> [Edited]

6. George Henry Farnum took photographs of a 1911 lynching of a mother and son in this state, which he then distributed as postcards. For 10 points each:

[H] Name this state where Laura and L.D. Nelson were lynched. A massacre in this state began after the alleged assault of Sarah Page in the Drexel Building.

ANSWER: **Oklahoma**

[M] The Greenwood District in Tulsa was known as the “Black” version of this location. This location was the site of a 1920 bombing after the deportation of Italian anarchist Luigi Galleani.

ANSWER: **Wall Street** [accept Black **Wall Street**]

[E] W. Tate Brady, a founder of Tulsa and night watchman during the Tulsa massacre, was a member of this white supremacist group. This group’s second incarnation began its tradition of wearing white hoods.

ANSWER: **Ku Klux Klan** [or the **KKK**; accept the **Klan**]

<Prabhakar, American History> [Ed. Nageswaran]

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**7. The 1995 documentary *Island of Roses* is about the Sephardic community in this city, which is home to the largest community of Jews from the island of Rhodes. A museum to African-American culture is being built in this city’s mostly Black Crenshaw district. The historic Sepulveda House is located in a neighborhood first settled by this city’s largest immigrant group in the 19th century, (\*) Olvera Street. The largest Iranian-American community in the United States lives in this city’s Brentwood and Westwood neighborhoods. Wilshire Boulevard runs through this city’s Koreatown, the largest in the United States. For 10 points, name this largest and most populous city in California.**

ANSWER: **Los Angeles** [accept **L.A.**]

<Lau, Geography> [Ed. Prabhakar]

7. A boy’s father prevents him from intervening in the harming of this animal because the assailants are drunk and “brutal.” For 10 points each.

[H] Name this animal. One character repeatedly refers to this animal as “My property!” as people object to him beating this animal to death with a crowbar.

ANSWER: **mare** [or **horse**]

[M] The horse is beaten to death in a dream of this character. Microbes begin infecting men who then kill each other out of anger in another dream of this character, who kisses a town square before turning himself in for murder.

ANSWER: Rodion **Raskolnikov**

[E] Raskolnikov is the main character of *Crime and Punishment*, a novel by this author of *The Brothers Karamazov*.

ANSWER: Fyodor **Dostoevsky**

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

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**8. This ruler and his successor promulgated the Peace Preservation Laws to crack down on leftist dissent. After they were defeated by forces loyal to this ruler, members of the teenaged White Tiger unit committed suicide. This ruler was the target of a failed assassination attempt in the High Treason Incident. This ruler’s consolidation of power resulted in the phasing out of the phrase (\*) “sonno joi.” This ruler’s forces defeated his former ally Saigo Takamori in the Satsuma Rebellion. This ruler’s government implemented the five-point Charter Oath after it won the Boshin War against the Tokugawa Shogunate. For 10 points, name this Japanese emperor who modernized the country as part of his eponymous restoration.**

ANSWER: **Meiji** [accept **Meiji** the Great or **Mutsuhito**]

<Prabhakar, World History> [Edited]

8. A predecessor of the laser invented by Charles Townes produces emissions in this region of the electromagnetic spectrum using umbrella inversion. For 10 points each:

[M] Name this region of the EM spectrum. Cavity magnetrons produce radiation in this region which can then be used to excite water molecules.

ANSWER: **microwave** radiation [or **microwaves**]

[E] The emissions of Townes' ammonia maser are caused by a lone pair undergoing this classically forbidden process in which a particle penetrates a potential barrier without the energy needed to do so.

ANSWER: quantum **tunnelling**

[H] Instead of a maser, a circuit containing one of these diodes can be used as a microwave oscillator. These solid-state diodes, also called tunnel diodes, exhibit negative differential resistance due to a heavily doped P-N junction.

ANSWER: **Esaki** diodes

<Karthik, Physics> [Edited]

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**9. The Egyptian war-god Montu was one of these animals. The *ba* was depicted as having the body of one of these animals and a human head, while another one of these animals had the title of “He Who Came Into Being by Himself.” Qebehsenuef (“KEH-beh-sen-eff”) was the only one of his father’s sons to be one of these animals. In addition to the (\*) Bennu, a figure that painted his wooden boat gray to win a race, had the head of one of these animals. That figure in the form of this animal had four sons who were the guardians of the canopic jars. In addition to a baboon, Thoth was depicted as having the head of one of these animals. Another god that had the head of one of these animals lost his eye while fighting Set to avenge the death of his father Osiris. For 10 points, Horus had the head of what type of animal?**

ANSWER: **birds** [accept **falcons**, **hawks**, **ibises**, **herons**, and **phoenixes**]

<Prabhakar, Myth> [Ed. Groger]

9. Answer the following about philosophers mentioned in Martin Luther King, Jr.'s “Letter From a Birmingham Jail,” For 10 points each.

[H] King noted how this philosopher and theologian related how groups are generally more immoral than individuals. This German-American theologian wrote *Moral Man and Immoral Society* and the Serenity Prayer.

ANSWER: Karl Paul Reinhold **Niebuhr**

[M] King cites the “I-thou” relationship laid out by Martin Buber, who was from this city. A philosophical “circle” based in this city promoted logical positivism and was founded by Moritz Schlick.

ANSWER: **Vienna**, Austria [accept **Wien**]

[E] King uses this philosopher’s teachings to justify the discomfort caused by his nonviolent protest tactics. King relates how this philosopher was condemned to drink hemlock for professing the truth.

ANSWER: **Socrates**

<Prabhakar, Philosophy> [Edited]

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**10. RXR and RAR dimers from this molecule’s nuclear receptor form gene regulatory elements by binding to the RARE complex. A derivative of this molecule reduces the size of sebaceous glands and is used in an acne medication that must not be used by pregnant women. A form of this molecule induces an electrical signal that reaches ganglion cells and bipolar neurons by undergoing a (\*) *cis* to *trans* conformation change. Because this molecule is the precursor to rhodopsin, people with a deficiency of this molecule often develop night blindness because the rod cells in their retina lose function. Beta-carotene is one form of this vitamin. For 10 points, name this vitamin found in large quantities in carrots that is essential for eyesight.**

ANSWER: Vitamin **A** [accept **retinoic acid**; accept **retinol**-ester; accept **retinal**; accept alpha/beta/gamma-**carotene** before mentioned]

<Lau, Biology> [Ed. Lei]



10. Answer the following about directors criticized in Manny Farber's essay "White Elephant Art vs. Termite Art," for 10 points each.

[M] Farber criticizes this Italian director's film *La Notte* as "an example of the evils of continuity." This director's other films include *Blowup* and a film about Anna's disappearance during a boating excursion, *L'Avventura*.

ANSWER: Michelangelo **Antonioni**

[H] Farber also attacks the "innocent" writing in this François Truffaut film. This film's two title characters experience a violent love triangle with Catherine, whose smile resembles one from an entrancing ancient statue.

ANSWER: **Jules et Jim** [or **Jules and Jim**]

[E] The final paragraph of Farber's essay claims that the revolution caused by this director's film *Citizen Kane* had been superseded by a new style of filmmaking, exemplified by the title "Termite Art."

ANSWER: Orson **Welles** [or George Orson **Welles**]

<Prabhakar, Film> [Ed. Strombeck]

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**11. Upon receiving no response to his prayer, one character in this play remarks of God, "The bastard! He doesn't exist." At the beginning of this play, one character remarks that a room that is "ten feet by ten feet by ten feet" has "nice proportions." That character attempts to kill a "potential procreator" with a gaff after spying him with a telescope. A character in this play declares "my kingdom for a nightman" before unfolding a (\*) handkerchief and stating "Me to play." Another character in this play asks for pap and sugar-plums only to be told they are not there. One character in this play remarks, "Every man his specialty," after noting he cannot stand and his companion cannot sit. Two characters in this play live in ashbins and are named Nagg and Nell. For 10 points, name this play in which the servant Clov takes care of Hamm, by Samuel Beckett.**

ANSWER: **Endgame** [or **Fin de Partie**]

<Karthik, Drama> [Ed. Leahy]

11. Aubrey Beardsley's illustrations for a play by this author included "A Platonic Lament" and "The Climax." For 10 points each:

[E] Name this playwright of *Salome*, who also wrote about a case of mistaken identity in *The Importance of Being Earnest*.

ANSWER: Oscar **Wilde**

[M] Jean Cocteau claimed that Beardsley's "A Platonic Lament" actually depicted this man. This symbolist and lover of Arthur Rimbaud described "The long sobs / of violins / of autumn" in his "Autumn Song" and also wrote "Clair de Lune."

ANSWER: Paul **Verlaine**

[H] This author described the "three demi-gods" of "Wilde, Verlaine, and Baudelaire" in his poem "Gods in the Gutter." This "Poet of the Yukon" included "The Cremation of Sam McGee" in his collection *Songs of a Sourdough*.

ANSWER: Robert William **Service**

<Poetry, Karthik> [Ed. Leahy]

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**12. The inner Van Allen belt comes closest to Earth over this body of water, leading to an "anomaly" in which satellites are bombarded by radiation. This body of water refilled a sea connected to it in the Zanclean megaflood event. Dust from a desert is blown upwards into an air layer over this body of water that falls and fertilizes a (\*) rainforest thousands of miles away. The ATJ forms at the intersection of the Terceira Rift and a mid-ocean ridge underneath this ocean. A "sea" in the northern part of this ocean doesn't have any land boundaries and features many patches of *Sargassum* seaweed. The Gulf Stream flows in the northern part of this ocean. For 10 points, name this ocean that separates the Americas from Europe and Africa.**

ANSWER: **Atlantic** Ocean [or North **Atlantic** Ocean; or South **Atlantic** Ocean]

<Bowman, Earth Science> [Edited]

12. In eukaryotes, this enzyme uses copper and zinc as cofactors, while in bacteria, iron or nickel is used. For 10 points each:

[H] Name this enzyme, which disproportionates its namesake molecule into oxygen gas and hydrogen peroxide. The A4V mutation in a gene coding for this enzyme is associated with ALS.

ANSWER: **superoxide dismutase** [or **SOD**]

[E] Superoxide dismutase is important because the superoxide ion is one of these species, which are highly reactive because they contain an unpaired electron. Antioxidants neutralize these species.

ANSWER: free **radicals** [accept **reactive oxygen species** or **ROS**]

[M] Studies have shown that the superoxide ion, upon reaction with this compound, can lead to atherosclerosis. This compound's namesake synthase produces this compound and citrulline from arginine, and it is also a vasodilator.

ANSWER: **nitric oxide** [or **NO**, or **nitrogen monoxide**, do NOT accept or prompt on "nitrous oxide"]

<Karthik, Biology> [Ed. Lei]

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**13. The 1842 Great Fire of Hamburg prompted the construction of the first modern one of these structures in continental Europe, which was designed by William Lindley. Ellis Chesbrough designed one of these structures in Chicago by raising the city four feet, the first comprehensive one of its kind in the U.S. Edwin Chadwick oversaw the creation of one of these structures designed by Joseph (\*) Bazalgette, who constructed the Victoria and Chelsea Embankments as part of them. That one of these structures was built in London due to the Great Stink of 1858. Tarquin the Elder apocryphally constructed one of these structures in Rome called the Cloaca Maxima, which drained into the Tiber. For 10 points, name these sanitary structures that dispose of waste.**

ANSWER: **sewer** systems [accept **sewage** systems or **drainage** systems or **wastewater treatment** systems]

<Karthik, Other History> [Ed. Prabhakar]

13. This person stated that Chryseis had to be returned to her father to stop Apollo's plagues. For 10 points each:

[H] Name this augur who served the Achaeans during the Trojan War. This seer died after he was unable to predict the number of piglets a sow was bearing in a contest with his rival Mopsus.

ANSWER: **Calchas**

[M] Calchas' Trojan counterpart, Helenus, was the grandson of this man. This king who ordered the construction of the walls of Troy was the father of Priam.

ANSWER: **Laomedon**

[E] Another seer from Greek mythology was this blind man from Thebes. This grandfather of Mopsus was turned into a woman by Hera after hitting a pair of mating snakes with a stick.

ANSWER: **Tiresias**

<Prabhakar, Myth> [Ed. Groger]

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**14. Marc Melitz pioneered a theory of this phenomenon that attempts to model the effect of it on firms within a given industry. This phenomenon is analogized to gravity in models that consider empirical factors such as distance. Substantial economies of scale and network effects are accounted for in a theory of this phenomenon championed by Paul Krugman. That (\*) "new" theory of this phenomenon improves upon the classical Hecksher-Ohlin model. Gains from this phenomenon are made when countries produce goods for which they have lower opportunity costs of production, according to the principle of comparative advantage. For 10 points, name this phenomenon in which countries exchange goods and services.**

ANSWER: international **trade**

<Ashbrook, Economics> [Edited]

14. Thousands of people were killed during the 1992 Halloween Massacre in this war. For 10 points each:  
[M] Name this civil war fought in a namesake sub-Saharan African country between the communist MPLA and the anticommunist UNITA. Cuban troops fought alongside the MPLA in this war as part of Operation Carlota.  
ANSWER: **Angolan Civil** War [prompt on **Angolan** War; do NOT accept or prompt on “Angolan War for Independence”]

[E] The Angolan Civil War started almost immediately after the country received its independence from this European power. This country’s other former colonies included Brazil and Mozambique.

ANSWER: **Portugal** [accept **Portuguese** Republic or República **Portuguesa**]

[H] The Angolan Civil War came to an end in 2002 after this leader of UNITA was killed in a shootout with government forces. This man controversially met with Ronald Reagan at the White House in 1988.

ANSWER: Jonas Malheiro **Savimbi**

<Sareddy, World History> [Ed. Prabhakar]

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**15. In one movement of this work, a baritone soloist reaches a high G-flat while crying out “Wafna,” a curse from his victims. In the 3/2 opening section of this work, the orchestra plays a pianissimo D minor accompaniment while the choir sings the repeating phrase, starting on an offbeat, “F, F, E, E.” A movement of this work whose name translates as “once I had dwelt in lakes” is performed by a tenor in (\*) falsetto. This piece includes that song about a swan roasting on a spit in its section set in a tavern. This piece begins and ends with a movement that refers to the title goddess as the “Empress of the World” and likens Fate to a “whirling wheel.” For 10 points, name this “scenic cantata” that contains “O Fortuna,” a work by Carl Orff.**

ANSWER: **Carmina Burana**

<Dantzler, Classical Music> [Ed. Strombeck]

15. Political pundits sometimes refer to a type of voter named after this character that consists of urban angry white males. For 10 points each:

[M] Name this stereotypical dumb conservative played by Carroll O’Connor in the show *All in the Family*. This character often calls his son-in-law Michael Stivic a “meathead.”

ANSWER: **Archie** Bunker [or **Archibald** Bunker; prompt on **Bunker**]

[H] Archie Bunker was called “the first masculine powerhouse to simultaneously charm and alienate viewers” in the essay “The Great Divide” by a critic with this last name. A philosopher with this last name examined objectification in her book *Sex and Social Justice*.

ANSWER: **Nussbaum** [accept Emily **Nussbaum**; accept Martha **Nussbaum**]

[E] The first use of the term “Archie Bunker vote” was during the 1972 election, in which this president won over George McGovern. This president later resigned due to the Watergate scandal.

ANSWER: Richard Milhous **Nixon**

<Ashbrook, Other> [Edited]

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**16. This state’s town of Mitchelville was created during an “experiment” that served as a precursor to Reconstruction. A farmers’ movement that ousted Bourbon Democrats from power in this state led to the election of a racist governor nicknamed for a threat he made against Grover Cleveland. In the leadup to an election in this state, African Americans were killed in the Hamburg Massacre by (\*) Red Shirts. Governors of this state included former Confederate general Wade Hampton and “Pitchfork” Ben Tillman. A politician from this state was the Southern member of the Great Triumvirate and incited the Nullification Crisis. For 10 points, John C. Calhoun hailed from which state, where an attack on Fort Sumter began the Civil War?**

ANSWER: **South Carolina**

<Strombeck, American History> [Ed. Nageswaran]

16. In one play, a man is described as having the hind-quarters of this animal by a woman who portrays him as “spent.” For 10 points each:

[M] Name this animal, which symbolizes a village chief who pays Europeans to not build a railroad through his village. That play ends with Sidi marrying him, much to the dismay of Lakunle.

ANSWER: **lion** [accept *Lion and the Jewel*]

[E] Baroka and Sidi are the title *Lion and the Jewel* of a play by this Nigerian author, whose other dramas include *Death and the King’s Horseman*.

ANSWER: Wole **Soyinka** [or Akinwande Oluwole Babatunde **Soyinka**]

[H] Sidi falls for Baroka after he shows her a machine for creating these objects in his house. It’s not a magazine, but Baroka offers to make Sidi “the only living face of any” [this object] after she makes fun of his supposed impotence.

ANSWER: postage **stamps** [prompt on pictures or photographs]

<Ashbrook, Drama> [Ed. Leahy]

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**17. In one novel, a man with this profession named Pluck explains how the Atomic Theory implies that Gilhaney is half a bicycle. Fox is a member of this profession in a novel by Flann O’Brien. A man with this profession consults the protagonists of a story after an Italian immigrant smashes busts of Napoleon. A man with this profession aids the protagonists in rescuing Mr. Stapleton’s wife and killing the (\*) Hound of the Baskervilles. A man with this profession leaves for Arras to see Champmathieu after asking Monsieur Madeleine to fire him. That man with this profession drowns himself in the Seine after his life is spared by his nemesis Jean Valjean. For 10 points, name this profession of Javert in *Les Miserables* that in the Sherlock Holmes stories is headquartered in Scotland Yard.**

ANSWER: **policeman** [or **inspector**; or **cop**, prompt on detective or sergeant with “A detective affiliated with what general type of organization?,” prompt on prison guard with “What job did that character have for most of the novel in which he appears?”]

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

17. Page Fortna called the Kargil War the most significant exception to a theory named for these systems. For 10 points each:

[M] Name these systems whose namesake “peace theory” in international relations contends that two states that possess these systems will not go to war with each other.

ANSWER: **democracies** [accept **democratic peace theory** accept **direct democracy**; accept **representative democracy**; prompt on general descriptions of democracy; prompt on non-authoritarian or similar answers]

[E] Democratic peace theory is based off of the IR doctrine named after this ideology that advocates for international partnership and free trade. This ideology is often opposed to conservatism.

ANSWER: **liberalism** [accept word forms like **liberal**; accept **neoliberalism**; accept **classical liberalism**]

[H] Democratic peace theory contrasts with the self-interest theory of neorealism, which was founded by this political scientist. This thinker developed behaviors such as bandwagoning in the book *Man, the State, and War*.

ANSWER: Kenneth Neal **Waltz**

<Prabhakar, Other Social Science> [Edited]

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**18. Shia Muslims often wear clothing of this color during the month of Muharram. The *hadith* state that the arrival of the *mahdi* will be indicated by a banner of this color carried by those of Khorasan (“HHOR-ah-sahn”). An object of this color is revered in the practice of *istilam*. A building of this color sits next to a semi-circular marble wall called the *Hatim* (“hah-TEEM”). The (\*) Qarmatians (“kar-MAY-shins”) stole a relic of this color from Mecca in order to redirect Islamic worship towards their base. Fasting during Ramadan is said to begin when one is able to distinguish a white thread from a thread of this color. The practice of *tawaf* involves walking around a building of this color seven times and is necessary for the completion of *hajj*. For 10 points, name this main color of the Kaaba.**

ANSWER: **black** [accept the **black** standard; accept the **black** stone]  
<Prabhakar, Religion> [Ed. Ashbrook]

18. For much of its history, this country’s secret police was led by the “man without a face,” Markus Wolf. For 10 points each:

[E] Name this country whose secret police was the Stasi. After this country reunited with its western neighbor, employees at the Stasi Record Agency destroyed millions of files at its office in its capital of East Berlin.

ANSWER: **East Germany** [accept **German Democratic Republic**, **Deutsche Demokratische Republik**, **GDR** or **DDR**; prompt on **Germany**]

[M] This country’s secret police, the Securitate (“SEH-coo-ree-TAH-tay”) had 11,000 agents to crack down on dissent. The Securitate also attempted to kill this country’s former general Ion Pacepa (“ee-OWN pah-CHAY-pah”), the highest-ranking defector from the Eastern Bloc.

ANSWER: **Romania** [accept **Romanian People’s Republic**; or Socialist Republic of **Romania**]

[H] The Soviet secret police, the NKVD, committed the Katyn Massacre under the leadership of this man. This serial predator was introduced to FDR by Joseph Stalin as “our Himmler.”

ANSWER: Lavrentiy Pavlovich **Beria**  
<Alaro/Prabhakar, British/European History> [Ed. Prabhakar]

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**19. This artist created a cross section of a narrowing pit in his *Map of Hell*, one of the 92 illustrations he created for Dante’s *Divine Comedy*. Midas extends his hand to Slander against a set of classical arches in a mythological painting by this artist copied from a lost Roman work. This artist’s only signed work has a Greek inscription above twelve dancing angels who form a circle around a (\*) stable. In a painting by this artist of *The Calumny of Apelles* and *Mystic Nativity*, Cupid points an arrow at a dancing set of Three Graces and Chloris is abducted by Zephyrus on the right. That painting by this artist hangs near another that depicts the title goddess on a giant scallop shell. For 10 points, name this Italian Renaissance artist of *Primavera* and *The Birth of Venus*.**

ANSWER: Sandro **Botticelli**  
<Dantzer, Painting & Sculpture> [Ed. Strombeck]

19. An ion-selective glass electrode commonly measures this quantity. For 10 points each:

[M] Name this quantity plotted on the x-axis of a Pourbaix diagram.

ANSWER: **pH**

[E] Measuring pH with a glass electrode obeys this equation, named for a German chemist. This equation finds the reduction potential of a half-reaction, typically under nonstandard conditions.

ANSWER: **Nernst** equation

[H] This measure is the difference between the calculated reduction potential and the experimentally observed potential. The Tafel equation relates the kinetics of an electrochemical reaction to this measure.

ANSWER: **overpotential**  
<Zhao, Chemistry> [Ed. Lei]

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20. One scientist differentiated between one of these compounds and a diastereomer (“di-a-stereo-mer”) by noting that the epimer had C<sub>2</sub> symmetry, which allowed its end groups to be exchanged. These molecules are the reactants and products of a reaction that uses bromine water and iron(III) acetate, the Ruff degradation. These molecules react with amino acids in the Maillard (“mye-ARD”) reaction. A solution of sodium carbonate, citrate, and copper sulfate pentahydrate are used in (\*) Benedict’s reagent to detect reducing variants of these compounds. Fischer projections depict these molecules. Amylopectin is a polymer of one type of these molecules, which generally have a 1 to 2 to 1 ratio of carbon, hydrogen, and oxygen. For 10 points, name these compounds that include arabinose and glucose.

ANSWER: sugars [or carbohydrates or mono/di/polysaccharides; accept reducing sugars; accept alpha-D-glucose or glycation or glycans; accept aldoses or ketoses or hexoses]

<Karthik, Chemistry> [Ed. Lei]

20. A series of “White Paintings” this artist made in collaboration with Cy Twombly preceded a 1953 project that this artist undertook on an abstract sketch of a woman. For 10 points each:

[H] Name this artist, who created an almost completely blank piece of paper by erasing that Willem de Kooning drawing, a process that took several months to complete.

ANSWER: Robert Rauschenberg [or Milton Ernest "Robert" Rauschenberg]

[M] The inscription below Rauschenberg’s *Erased de Kooning* was created by this other artist, Rauschenberg’s lover. This artist poured encaustic over collages to create series like his *Targets*.

ANSWER: Jasper Johns

[E] Both Rauschenberg and Johns influenced the rise of this artistic movement, which incorporated cultural imagery from advertisements and mass media. Its other artists include Roy Lichtenstein and Andy Warhol.

ANSWER: pop art

<Dantzer, Painting & Sculpture> [Ed. Strombeck]

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