Packet 13

Tossups

1. **An unsuccessful rebel of this ethnicity declared "let no man write my epitaph" in his "Speech from the Dock." A famous song describes a Hungarian cavalry officer of this ethnicity who was murdered for refusing to surrender a horse that was too valuable for him to own. People of this ethnicity operated illegal "hedge schools" that were mostly staffed by a network of underground clergy. Bandits and rebels of this ethnicity were often called (*)** tories. A "United" group of people of this ethnicity rebelled in 1797 under Theobald Wolfe Tone. Dissenters and people of this ethnicity were the primary targets of the Penal Laws. Most people of this ethnicity came under foreign rule after the Siege of Drogheda ("DROY-uh-duh"), at which many were killed by Oliver Cromwell. For 10 points, give this mostly Catholic ethnicity whose members desired Home Rule within Britain.
ANSWER: **Irish** people (The song in the second line is "Lament for Art O'Leary.")
<British/CW History, EL>

2. **On the first page of a score by this composer, dotted lines connect scattered triangles marked *fortissimo*, then horizontal lines become wavy after the first 15-second interval to indicate a slow vibrato of up to a quarter tone. This composer retitled that orchestral piece to improve his chances of winning a UNESCO competition, and also to avoid charges of formalism. Stanley Kubrick's *The Shining* makes uncredited use of a piece by this composer that calls for playing "the highest note possible" and begins with a series of (*)** cluster chords played by 52 string instruments. This composer retitled a piece from the John Cage-inspired title *8′37″* ("eight minutes and thirty-seven seconds") in order to commemorate an atomic bombing. For 10 points, name this composer of *Threnody for the Victims of Hiroshima*, an artist from Poland.
ANSWER: Krzysztof **Penderecki** ("k'SHISH-toff pen-duh-RET-skee")
<Classical Music/Opera, WA>

3. **If you randomly reassemble the pieces of a Rubik's cube, this is the probability that it will be solvable using legal moves. In a letter to his English mentor that mentions a result involving the negative of this number, a mathematician refers to a book by Thomas Bromwich and expects to be pointed to a "lunatic asylum." The variance of a uniform random variable equals this number times the support squared. The negative of this number equals the (*)** zeta function of negative one. Despite the Riemann series theorem, Ramanujan derived the negative of this number as the sum of the infinite series 1 plus 2 plus 3 and so on. In music, 2 raised to this number is the frequency ratio of a semitone interval. This is the probability that the sum of two standard dice is 4. For 10 points, what is the probability of simultaneously getting both tails and the number 1 if you flip a coin and roll a die?
ANSWER: **1/12** [or **1 in 12**; or one-**twelfth**; or equivalents such as **3/36** or **3 in 36**]
<Other Science: Math, OL>

4. **In discussing Henry James's *The Princess Casamassima*, Lionel Trilling listed [emphasize] *two* novels by this author as examples of the "young man from the provinces." In one of those novels by this author, a man banks on connections through Madame d'Espard's ("muh-DOM duss-PAR's") salon to enter city life in the section "A Great Man from the Provinces in Paris." A character created by this author writes a letter asking his mother to sell her jewelry so that he can buy the clothes he needs to enter society and court Victorine, whose brother is killed by a (*)** criminal whom the police call "Trompe-la-Mort." In a novel by this author of *Lost Illusions*, the title retired pasta maker lives in a boarding house with the criminal Vautrin ("voh-TRAN") and the social climbing law student Eugène de Rastignac ("oo-ZHEN duh rah-steen-YAHK"). For 10 points, name this author who included "Père Goriot" ("pair gor-YOH") in *The Human Comedy*.
ANSWER: Honoré de **Balzac**

<Short Fiction, WA>

5. **After he became mayor of this city, author Benjamin Vicuña Mackenna used slave labor to remodel Santa Lucia Hill. This city's main avenue, La Alameda, is also sometimes named for a man who helped re-establish government here after the Disaster of Rancagua. This city was founded by an explorer who followed in the footsteps of Diego de Almagro seeking cities of gold; that founder, Pedro de Valdivia, met his death in a war against the (*)** Araucanians. A royalist army marching on this city was stopped at the Battle of Maipú by a combined force led by José de San Martín, who had just marched across the Andes. A former mint lends its name to the presidential palace in this city, La Moneda, where a socialist president gave a final speech before dying in a 1973 coup. For 10 points, name this capital city of Chile.
ANSWER: **Santiago**, Chile
<World History, NB>

6. Followers of this denomination are said to have been given "a principle with promise" in the form of a set of health guidelines. This denomination recommends that the "flesh of beats and of the fowls of the air" be used sparingly, though its members were encouraged to become fully vegetarian by Lorenzo Snow. By extrapolating from a line stating "hot drinks are not for the body of belly," Frederick Pack argued that this denomination's members should not consume (*) Coca-Cola because it contains drugs. This sect's Doctrines and Covenants include a teaching known as the Word of Wisdom, whose instructions led its followers to avoid consuming tea, tobacco, coffee, and alcohol. For 10 points, name this Christian sect whose historical practice of polygamy was introduced by Joseph Smith.
ANSWER: **Mormon**ism [or **Mormon** religion or **LDS** Church or Church of Jesus Christ of **Latter Day Saints**]
<Religion, WA>

7. **An author of this ethnicity wrote that "wild tongues can't be tamed, they can only be cut out" and coined the term "linguistic terrorism." A character of this ethnicity questions his faith after Samuel tells him the story of the golden carp, and compares his mother and father to the moon and the sea, respectively. A narrator of this ethnicity describes a girl who says "we are tired of being beautiful" after learning to walk in heels. In a novel by an author of this ethnicity, the death of an (*)** owl familiar causes the death of the title caretaker of Antonio. Another novel by a writer of this ethnicity consists of a series of 44 vignettes in which Lucy, Rachel, and Nenny grow up in the title Chicago neighborhood with Esperanza. For 10 points, give this ethnicity of *Bless Me, Ultima* author Rudolfo Anaya and *House on Mango Street* author Sandra Cisneros.
ANSWER: **Mexican**-American [or **Chicano** or **Chicana**; prompt on American or Latino or Latina or other less specific answers] (The first clue refers to Gloria Anzaldúa.)
<Misc. Lit, ND>

8. **This colony faced a rebellion by a warlord who could not be killed unless he was shot through his ears with his amulet removed, named Gongo. This colony was victorious at the Battle of Rejaf, in which it repulsed an incursion on the Lado enclave that it acquired in exchange for ceding land for a railway. In a race against a British company, this colony ironically employed the British officer William Stairs, whose subordinates shot a brutal ruler of the Yeke kingdom named Msiri. Sir (*)** Arthur Conan Doyle wrote publicly about abuses in this colony, which are documented in a book by Adam Hochschild, as well as in the Casement Report. In this colony, *Force Publique* officers chopped off the hands of slaves who could not meet rubber quotas. For 10 points, name this colony ruled as a personal fief by Leopold II of Belgium.
ANSWER: **Congo Free State** [prompt on Congo; do not accept or prompt on "Belgian Congo"]
<Continental post-600 History, EL>

9. **This person commissioned the design of nine hyperbolic paraboloids that greeted visitors with the composition *Concret PH* ("con-CRET pay-ahsh"). This person, who is not a composer, collaborated with Iannis Xenakis ("YAH-niss zeh-NOCK-iss") to create music for the opening of the Philips Pavilion, and also worked with Xenakis on the convent of Sainte Marie de La Tourette. This person devised a system of measurement based on the proportions of a six-foot-tall man. The Athens Charter was based off this person's syndicalist-inspired concept of the (*)** "Radiant City," which inspired his design of a city with open-hand sculptures. He described the house as a "machine for living in" and suggested the use of pilotis and roof gardens in his treatise *Towards a New Architecture*. For 10 points, name this Swiss-French architect who incorporated his five points of architecture into the Villa Savoye ("vee-lah sav-WAH").
ANSWER: Le **Corbusier** [or Charles-Edouard **Jeanneret**]
<Other Art: Architecture, BD>

10. **After a great war fought overseas, this woman is offered in marriage, along with seven regions of land, to one of that war's seven survivors. A child of this woman is first given a name meaning "golden-hair," but after she discovers the child, she renames him "care," having been relieved of her worries. This woman was forced to do penance by offering to carry travelers on her back. This woman invented the game of "badger in the bag" as part of a trick to escape marriage to (*)** Gwawl. She first appears in a dream vision at Gorsedd Arberth ("GOR-seth AR-berth") in which she rides a white horse. Several handmaidens smear puppy's blood on this woman's face to frame her for murdering her son in the Mabinogion. For 10 points, name this wife of Pwyll ("pwil") and mother of Pryderi ("prih-DARE-ee").
ANSWER: **Rhiannon**
<Mythology, WA>

11. **Due to their stronger bond energy to carbon, this phenomenon is weaker in deuterium-labeled and tritium-labeled compounds, which in turn lowers its kinetic isotope effect. This phenomenon describes the additional stability that results when a neighboring carbon atom is replaced with silicon. The negative form of this phenomenon is most commonly observed in carbon–fluorine and carbon–oxygen (*)** bonds. This phenomenon explains why the alpha-epimer of glucose is more prevalent and why tertiary carbocations are more stable. This phenomenon provides an explanation for why the staggered conformation of ethane is more stable than its eclipsed conformation. For 10 points, name this phenomenon in which the electrons of a sigma bond interact with a partially filled pi orbital.
ANSWER: **hyperconjugation** [do not accept or prompt on "conjugation"]
<Chemistry, RRP>

12. **According to this philosopher's theory of property, contracts bring the "external side" of property into being by infusing them with a "moment of a will," and property can also be considered an "embodiment of personality." This philosopher considered property, contract, and wrong to belong to the sphere of "abstract right," while he considered conduct *vis-a-vis* family, society, and the state to belong to the sphere of (*)** "ethical life." A scenario imagined by this philosopher typifies the "struggle for recognition" in which two consciousnesses encounter one other. He identified the point at which the will becomes aware of itself as the origin of morality in his *Elements of the Philosophy of Right*. For 10 points, name this German philosopher who included the "master-slave dialectic" passage in *The Phenomenology of Spirit*.
ANSWER: Georg Friedrich Wilhelm **Hegel**
<Thought, WA>

13. **Reversible phosphorylation of a serine-14 residue regulates an enzyme that catalyzes the breakdown of this compound. Von Gierke's disease is characterized by an inability to break down this compound, which accumulates in the lysosomes of people with Pompe's disease. Synthesis of this compound is initiated on the**

hydroxyl group of the tyrosine-194 residue of a protein named for its compound through its intrinsic transferase activity. GSK-3 and CK2 both reduce the production of this compound, while its namesake (*) phosphorylase breaks it down. This compound's branching enzyme generates its alpha-1,6-glycosidic linkages. The binding of epinephrine to beta-adrenergic receptors triggers the breakdown of this polysaccharide by converting it to G6P, which can enter glycolysis. Insulin promotes the formation of, for 10 points, what polysaccharide, made up of glucose that is found in the liver and muscles?
ANSWER: **glycogen**
<Biology, RRP>

14. **Henry James claimed that this novel was "one of the strongest and one of the weakest of English novels," calling it a "treasure-house of details" and comparing it to its author's earlier *Romola*. In this novel, a "frog-faced" mourner at a funeral turns out to be the illegitimate son of a deceased landlord who shows up to inherit his estate. In its first chapter, an uncle gives his two nieces a box with their deceased mother's jewelry, from which one niece only takes two pieces. Stone Court is inherited by (*)** Jacob Rigg from Mr. Featherstone in this novel. In this novel, Rosamond Vincy marries the doctor Tertius Lydgate to improve her social standing, while the protagonist courts a reverend who is working on a "key to all mythologies" named Edward Casaubon. Dorothea Brooke is the protagonist of, for 10 points, what George Eliot novel subtitled "A Study in Provincial Life"?
ANSWER: ***Middlemarch****: A Study in Provincial Life*
<Long Fiction, EL>

15. **Gas station owner Barkat Khan won a 1997 case within this area of law that overturned a *per se* rule established in the *Albrecht* decision. Within this area of law, consent decrees were first applied under the *Swift & Co.* decision. This area of law was affected by the "Health Care Statements" issued in 1996, which gave shared services arrangements in health care systems a "safe harbor." An influential book by (*)** Robert Bork titled for this area's "paradox" argues that its primary goal should be to promote welfare. The "rule of reason" was introduced by a law in this area that was used to end the Pullman Strike. The Herfindahl–Hirschman index has been used in this area of law to apply the Clayton Act. For 10 points, name this area of law whose landmark regulations include an 1890 act sponsored by John Sherman.
ANSWER: **antitrust** law [accept The ***Antitrust Paradox***]
<US History, WA>

16. **This non-American thinker's work inspired a theory in which people initially have a chaotic conception of the divine but transition to a "universalizing" attitude, developed by James Fowler. In developing a theory partially inspired by this thinker called moral domain theory, Eliot Turiel assessed "criterion judgment" and refined this thinker's concept of "heteronomous" morality derived from authority. He theorized that people adopt "autonomous" morality through (*)** peer interaction, inspiring Lawrence Kohlberg's six stages of moral development. This thinker introduced the idea that cognition is framed through "schemata," which can be combined to reach goals and understand such concepts as object permanence during the sensorimotor stage. For 10 points, name this psychologist who theorized four stages of child development.
ANSWER: Jean **Piaget**
<Social Science: Psychology, WA>

17. **This property is responsible for a limit on information which is described mathematically by the Englert–Greenberger-Yasin relation. The largest objects in which this property has been directly observed are carbon-60 fullerenes studied at the University of Vienna. The inequality [read slowly] "*V*-squared plus *K*-squared is less than or equal to one," which describes this property, has been observed in quantum eraser experiments. This specific instance of the principle of (*)** complementarity was demonstrated in an experiment in which electrons were fired at nickel by Davisson and Germer. All matter has this property according to the De

Broglie ("duh broy") hypothesis. The results of the double-slit experiment for photons imply, for 10 points, what quantum mechanical idea that light and matter have two natures?

ANSWER: **wave–particle** duality [accept **De Broglie wave** until "De Broglie"; accept answers indicating that something is both a **wave** and a **particle**; prompt on <u>duality</u> or <u>wave nature</u> or <u>complementarity</u>; prompt on <u>interference</u> by asking "what property of matter causes the interference?"]

<Physics, WA>

18. **This poet used a line by Giorgio de Chirico ("JOR-joh day KEE-ree-koh") about the "mysterious language" of a "broken statue of God" as an epigram for her poem in which she holds in her eyes unseen waves that "the ghost of Böcklin grieves" for. This author wrote about chanting "Thor is angry: boom boom boom" during a hurricane in a poem that ends "no frown of mine will betray the company I keep." In that poem, this author asks her mother if she sees the titular Disquieting Muses. This poet described rocking "shut / as a seashell" in a poem that tells (*)** "Herr Doktor" and "Herr Lucifer" "Beware. / Beware." That poem by her calls death "an art, like everything else" and ends "I rise with my red hair / And eat men like air." A "Night Ride" that this poet took on the horse Ariel was described in a poem by her husband Ted Hughes. For 10 points, name this author of "Lady Lazarus."

ANSWER: Sylvia **Plath**

<Non-Epic Poetry, EL>

19. **Two urban legends hold that seven examples of these objects exist in forests in York County, Pennsylvania. Friedrich Nietzsche quipped that an author made a "crude blunder" in giving one of these objects the inscription "I too was created by eternal love." Scenes from an artwork titled for one of these objects include one of a man lying on his back reaching behind himself to grasp a woman lying on her stomach, called *Fugit Amor*, and one of (*)** three identical men who point downwards. After passing through a literary example of these places that leads to the "grief-wracked city," a man hears the agony of those who never chose good or evil before passing on to Acheron. The phrase "abandon all hope, ye who enter here" is inscribed on, for 10 points, what kind of infernal place depicted in a sculpture by Auguste Rodin?

ANSWER: The **Gates of Hell** [or *La **porte de l'enfer*** or *La **porta dell'inferno***; accept Seven **Gates of Hell**; accept equivalents indicating a **gate** or an **entrance** to **hell**; accept **inferno** for hell before "infernal"; prompt on <u>gate</u> or <u>doorway</u> or <u>entrance</u>]

<Other/Misc Academic, WA>

20. **After visiting this artist in his studio, sculptor David d'Angers said "Here is a man who has discovered the tragedy of landscape." The title object is centered between a pair of figures who converse at twilight and a tree tilted at a sharp angle in this artist's *Two Men Contemplating the Moon*. In another painting, he depicted himself as an old man in a fur coat with a walking stick standing next to an overturned rowboat. This artist's brother drowned at age 13 while trying to save him after he fell through (*)** ice, inspiring a recurring image of his, such as a painting in which a ship is caught in an iceberg. This artist allegorized aging by showing five ships at varying distances in another painting. This artist of *The Sea of Ice* and *The Stages of Life* painted a man with his back facing the viewer standing on a rock and staring into mist. For 10 points, name this Romantic painter of *Wanderer Above the Sea of Fog*.

ANSWER: Caspar David **Friedrich**

<Painting/Sculpture, WA>

Bonuses

1. Much of Martin Carter's poetry was informed by his experience with these places, which he asked to be sent to "quickly" in five poems written in response to a crackdown in his native Guyana. For 10 points each:
[10] Identify these places that title a poem with the lines "And alien tears will fill for him / Pity's long-broken urn" and "Each man kills the thing he loves." At the same one of these places, the author wrote a letter to "Bosie."
ANSWER: __jail__s [or __prison__s] (The works are *Jail Me Quickly*, "Ballad of Reading Gaol," and *De Profundis*.)
[10] Dennis Brutus, a poet from this country, was imprisoned for his repeated attempts to get it banned from the Olympics. Poets from this country include Breyten Breytenbach, who wrote in Afrikaans.
ANSWER: __South Africa__ [or Republic of __South Africa__]
[10] This Turkish Communist poet spent much of his life imprisoned for political reasons, such as inciting military cadets to revolt with works like *The Epic of Sheikh Bedreddin*. This poet's other writings include the epic verse novel *Human Landscapes From My Country*.
ANSWER: Nazim __Hikmet__ [or Nazim Hikmet __Ran__]
<Non-Epic Poetry, WA>

2. This agreement limited military capacity on the Great Lakes and Lake Champlain to two vessels for each of the signing powers. For 10 points each:
[10] Name this agreement between the United States and Britain that was signed in the wake of the War of 1812.
ANSWER: __Rush–Bagot__ Treaty
[10] The Rush–Bagot Treaty also provided for joint US–British occupation of this territory. This territory was later the subject of calls for "54° 40′ or fight!"
ANSWER: __Oregon__ Territory
[10] The later Treaty of 1818 established the border between the United States and Canada as the 49th parallel from the Rocky Mountains to this natural feature.
ANSWER: __Lake of the Woods__
<US History, NB>

3. This relationship between two problems A and B means that B is at least as difficult as A. For 10 points each:
[10] Give this relationship between two problems symbolized by a less-than-or-equal-to sign. That sign is sometimes followed by a subscript capital P if this relation between the problems is polynomial-time.
ANSWER: __reduction__ [accept anything mentioning __reduction__ or word forms such as __reducing__ or __reduce__ or __reducible__]
[10] A decision problem that reduces to the halting problem is undecidable. The undecidability of the halting problem itself was proven by this British computer scientist, who names basic automata that manipulate symbols on tape.
ANSWER: Alan __Turing__
[10] This one of Karp's 21 NP-complete problems is the most restricted case of its general class that can be reduced to the maximum clique problem. The exponential time hypothesis states that a solution to this specific problem must have an exponential worst-case runtime.
ANSWER: __3-SAT__ [or __3-satisfiability__; prompt on boolean satisfiability or k-satisfiability or k-SAT]
<Other Science: Computer Science, AK>

4. The "chord–scale system" suggests which scales go well over certain chords when improvising in bebop or modal jazz. For 10 points each:
[10] These two modes are often played over a tonic major seventh chord, because they share all four chord tones. One of them, the "sharpest" mode, is the basis of George Russell's jazz music theory book, and the other is identical to the major scale. Name either of them.

ANSWER: **Lydian** OR **Ionian**
[10] Lydian is preferred over Ionian because it raises this scale degree, an "unavailable tension" or "avoid note" too harmonically dissonant except in passing or in ornaments. The blues scale has both natural and sharp versions of this scale degree, which is called the subdominant.
ANSWER: **four**th [or **eleven**th; prompt on subdominant]
[10] John Coltrane and Charlie Parker often used this ornament in which a target note is first embellished by two approach notes: the note a step above the target and the note a step below it. It is similar to double neighbor tones or changing tones in classical music, and it concludes "the lick."
ANSWER: **enclosure** [prompt on double neighbor tones or DNT or neighbor group or changing tones or CT or cambiata or non-chord tones or nonharmonic tones; do not accept or prompt on "changes"]
<Classical Music/Opera, OL>

5. Answer the following related to *Designing Social Inquiry*, a widely cited methodological guide to social science research, for 10 points each.
[10] The book's major thesis is that a "logic of inference" is shared by quantitative research and research described by this other adjective, which is often contrasted with quantitative.
ANSWER: **qualitative** [or **qualitative** research]
[10] One of the book's authors, Robert Keohane, is best known for his contributions to this field of social science. The constructivist approach in this field of study was pioneered by Alexander Wendt.
ANSWER: **international relations** theory [or **IR** theory]
[10] Another of the book's authors is Sidney Verba, who inaugurated the field of political culture by co-writing the study *Civic Culture* with this political scientist. With Walter Lippmann, this thinker names a "consensus" which states that public opinion is volatile and largely irrelevant to policy making.
ANSWER: Gabriel **Almond** [accept **Almond**–Lippmann consensus]
<Social Science: PoliSci, WA>

6. Demonstrate your deep knowledge of Men at Work and the culture of their beautiful home country of Australia, for 10 points each.
[10] Australia is often referred to as "the Land" described by this two-word phrase, largely due to its southern location. Not coincidentally, Men At Work used this two-word phrase to title their best-known single.
ANSWER: **Down Under** [accept The Land **Down Under**]
[10] In "Down Under," the singer refers to being in a "den" in a place of this name. It's unclear whether this refers to the rock venue of this name in Melbourne, which closed after a 1991 fire, or to the non-Australian city of this name, whose Anglicized name was replaced by Shiv Sena's government.
ANSWER: **Bombay** [or **Mumbai**]
[10] "Down Under" also speaks of a mysterious smiling man who gives the singer a sandwich covered with this popular Australian food spread, which you can basically call the Australian equivalent of the PB&J.
ANSWER: **Vegemite** [accept **Vegemite** sandwich]
<Other/Misc Academic, WA>

7. Answer the following about dramatic performances in works of fiction, for 10 points each.
[10] In Vladimir Nabokov's *Lolita*, Dolores' school puts on a performance of this play written by Clare Quilty.
ANSWER: The ***Enchanted Hunters***
[10] In *The Crying of Lot 49*, Oedipa Maas is taken to a performance of *The Courier's Tragedy* by this character, with whom she is having an affair.
ANSWER: **John** **Metzger** [accept either name]
[10] The "rude mechanicals" perform *Pyramus and Thisbe* for the Duke of Athens's wedding in this William Shakespeare play in which Puck delivers a closing monologue.

ANSWER: A _**Midsummer Night's Dream**_
<Long Fiction, BB>

8. Hodgkin and Huxley studied giant axons from these organisms to determine how action potentials work. For 10 points each:
[10] Name these cephalopods that have eight arms and two tentacles. The "giant" species of these animals are often preyed upon by sperm whales.
ANSWER: **squid**s [or giant **squid**; accept giant **squid** axons]
[10] Most squids exhibit this "one shot" pattern of reproduction in which they only participate in one breeding event before dying. Monocarpy is a type of this reproductive pattern that is specific to flowering plants.
ANSWER: **semelparity** [accept **semelparous**]
[10] Semelparous ("suh-MEL-puh-russ") organisms often use this density-independent selection strategy in which parents provide little to no investment in their offspring.
ANSWER: **r**-selection
<Biology, JL>

9. The Ngoc Lu ("nock loo") example of these objects contains three concentric patterns of abstract human and animal figures, and contains a multi-pointed star at its center. For 10 points each:
[10] Identify these objects, examples of which are the most significant artifacts from the Dong Son culture of Vietnam. Neolithic chalk examples of these objects were unearthed near the village of Folkton in England.
ANSWER: **drum**s [accept Folkton **Drums**; prompt on musical <u>instruments</u> or <u>cylinders</u>]
[10] The Dong Son drums are made of this alloy of tin and copper, which was the primary metal for making weapons and ritual objects in the Shang ("shong") and Zhou ("joe") eras.
ANSWER: **bronze**
[10] Dong Son and other northern Vietnamese cultures are characterized by the production of this good and the creation of bronze artifacts as their major economic activities. The "Champa" variety of this good was introduced to China during the Song dynasty, helping fuel a population expansion.
ANSWER: **rice** [or _**Oryza**_ sativa]
<Archaeology, WA>

10. This art dealer closely mentored Larry Gagosian, who mounted an exhibition in his honor at his Beverly Hills gallery in 1996. For 10 points each:
[10] Name this art dealer who curated the Ninth Street Show promoting Abstract Expressionism. This Italian-American dealer was known for closely managing the careers of the Pop artists he worked with.
ANSWER: Leo **Castelli**
[10] Willem de Kooning once said of Castelli: "that son-of-a-bitch, give him two beer cans and he could sell them," so this Pop artist cast two bronze ale cans that Castelli sold for 960 dollars. Repeated motifs in his art include stenciled numbers and target signs.
ANSWER: Jasper **Johns**
[10] Johns used encaustic for his flags because he preferred the effects created by dipping newspaper in a molten form of this substance. In ancient times, this substance was displaced by liquid metal in a technique of casting.
ANSWER: **wax** [accept lost **wax** technique]
<Painting/Sculpture, AK>

11. Jewish scholarship identifies this figure with the nation of Israel, while the Gospel writers associated him with Jesus Christ. For 10 points each:
[10] Identify this Old Testament "man of sorrows" whose four namesake "songs" are found in the Book of Isaiah.
ANSWER: the **suffering servant** [accept Songs of the **Suffering Servant**; prompt on <u>servant</u>]

[10] One "suffering servant" passage describes how the servant will not break bruised examples of these plants. During the Passion of Christ, Jesus is given a crown of thorns and one of these plants for a scepter.
ANSWER: **reed**s
[10] After this Old Testament figure was born, his mother placed him in a basket of reeds in the Nile River. This figure condemned his brother Aaron for worshipping a golden calf.
ANSWER: **Moses** [or **Moshe** or **Musa**]
<Religion, BB>

12. A Gothic-language Bible called the *Codex Argenteus* dated to the 6th century AD was taken from Prague by this country as war booty. For 10 points each:
[10] Name this country that also seized the world's largest illuminated manuscript, the *Codex Gigas*, during the same war. In another conflict, this country stole more than 200 paintings from the Warsaw Castle, among other treasures, and dumped thousands more in the Vistula River.
ANSWER: **Sweden** [or Kingdom of **Sweden**; or Konungariket **Sverige**]
[10] Sweden stole the *Codex Argenteus* and *Codex Gigas* during this long and destructive war that claimed the life of its warrior king Gustavus Adolphus.
ANSWER: **Thirty Years**' War
[10] Sweden looted Warsaw Castle during this period of conflict in the 1650s, which began with a Cossack uprising led by Bohdan Khmelnytsky. Russia alternatively invaded and defended Poland during this conflict.
ANSWER: The **Deluge** [or **Potop**]
<Continental post-600 History, WA>

13. In "Two Directions for the Novel," Zadie Smith wrote that this novel sits at an "anxiety crossroads" between the Anglo-American liberal middle class and Balzac-Flaubert lyrical realism. For 10 points each:
[10] Name this Joseph O'Neill novel about Hans van den Broek, a stock analyst who meets the Trinidadian man Chuck Ramkissoon playing cricket on Staten Island.
ANSWER: ***Netherland*** [do not accept or prompt on "Netherlands"]
[10] In "Generation Why," Smith argued that *The Social Network*, a movie about this social media platform, is a "cruel portrait" of "500 million sentient people entrapped in the recent careless thoughts of a Harvard sophomore."
ANSWER: **Facebook**
[10] Smith wrote "If you are brown and decide to date a British man, sooner or later he will present you with" a painting by this man, probably involving "nudity" or "spherical fruit." This painter was fictionalized as Charles Strickland in W. Somerset Maugham's *The Moon and Sixpence*.
ANSWER: Paul **Gauguin**
<Misc. Lit, EL>

14. In combination with Hund's rule, this rule can be used to predict the *aufbau* principle, which states that atomic orbitals will be filled starting with the lowest available energy level. For 10 points each:
[10] Name this principle which states that two or more particles with half-integer spin cannot occupy the same state within a quantum system.
ANSWER: **Pauli** exclusion principle
[10] The namesake structures of this model of the nucleus are filled progressively according to the Pauli principle. Evidence for this model includes the existence of "magic numbers" of nucleons such as 2, 8, 20, and 28.
ANSWER: nuclear **shell** model
[10] The tensor algebra developed by this Italian-Israeli physicist is heavily used in the exposition of *Nuclear Shell Theory* by fellow Israelis Amos de-Shalit ("ah-MOCE deh-sha-LEET") and Igal Talmi ("yeeg-AHL TALL-mee"). This physicist's namesake "W" coefficients are used in calculations of angular momentum and differ only by a phase factor from Wigner 6*j* symbols.

ANSWER: Giulio **Racah** [accept **Racah** *W*-coefficients]
<Physics, WA>

15. These peoples' legends include the story of 'Antar, a hero who defeated invading tribes to win his freedom from slavery and completed a series of labors to win the heart of his cousin 'Abla. For 10 points each:
[10] Name these people who collected a series of legendary "hanging poems," which included the story of a man who promised to feed the people every time the east wind blew, named Labīd.
ANSWER: **Arab**s
[10] Those epic poems made up part of the mu'allaqat, a collection of poems that hung surrounding this building. Muslims circumambulate this building seven times during Hajj.
ANSWER: **Kaaba**
[10] The Kaaba was the center of the Quraysh worship of this moon god, whose origin is sometimes linked to the Nabateans. Ibn al-Kalbi related the Arab ritual of shuffling and throwing two arrows labeled "Pure" and "associated alien" at a statue of this God to determine the legitimacy of contested children.
ANSWER: **Hubal**
<Mythology, EL>

16. These functional groups, formerly known as mercaptans, can form disulfide bridges in proteins. For 10 points each:
[10] Name this functional group found in the side chain of cysteine. These analogues of alcohols contain a sulfur atom bonded to a hydrogen atom.
ANSWER: **thiol**s
[10] Thiols form classes of click chemistry reactions with azides and also with these compounds that contain a carbon–carbon triple bond.
ANSWER: **alkyne**s
[10] In this method for synthesizing large polypeptides, the thiol group of a cysteine attacks a thioester on the N-terminus of another peptide, and undergoes an S-to-N acyl shift that creates a bond between the two peptides.
ANSWER: **native chemical ligation** [or **NCL**]
<Chemistry, RRP>

17. Answer the following about Jean Pigozzi's collection of African art, the largest such collection in the world, for 10 points each.
[10] The collection contains many paintings by Meleko Mokgosi, an artist who teaches at this US university's Gallatin School. Much of Randy Weston's African-inspired music, including *An African Nubian Suite*, was first performed at this university in Greenwich Village.
ANSWER: **New York** University [or **NYU**]
[10] Pigozzi was inspired to assemble his collection after viewing the 1989 *Magiciens de la terre* ("ma-zheese-YAN duh la TAIR") exhibition at this Parisian building designed by Richard Rogers and Renzo Piano, which features many colored tubes.
ANSWER: **Centre Pompidou** [or **Centre Georges Pompidou** or **Pompidou Center**]
[10] Pigozzi's collection includes works by Chéri Samba, an artist from this African country who appears in Mwezé Ngangura's film *Kin Kiesse* ("keen kees"). This country was home to Papa Wemba, who blended a number of Latin influences to create this country's namesake "rumba" style.
ANSWER: **Democratic Republic of the Congo** [or **DRC** or **Zaire**; prompt on Congo; do not accept or prompt on "Republic of the Congo"]
<Other Art: Misc Visual, WA>

18. In 1984, this country lost control of the Siachen Glacier after its neighbor executed Operation Meghdoot, turning the region into the world's highest battlefield at over 20,000 feet above sea level. For 10 points each:
[10] Name this country that fought the Kargil War in Kashmir with its western neighbor.
ANSWER: **India** [or Republic of **India**]
[10] This 1972 agreement was meant to prevent hostilities between India and Pakistan by establishing the Line of Control as the de facto border. It was followed up by the Delhi Agreement, which exchanged prisoners.
ANSWER: **Simla** Agreement [or **Shimla** Agreement]
[10] The Simla Agreement was negotiated by Indira Gandhi and this Pakistani President and founder of the Pakistani People's Party, who was later executed by the government of Mohammad Zia ul-Haq.
ANSWER: **Z**ulfiqar Ali **Bhutto** [prompt on Bhutto]
<World History, NB>

19. Answer some things related to the criticism of Walter Kerr, for 10 points each.
[10] Kerr punningly quipped "Me no Leica ("LIKE-uh")" about *I am a Camera*, which was later adapted into this Broadway musical. Sally Bowles features in this musical set in Weimar Germany.
ANSWER: ***Cabaret***
[10] In disparaging this musical, Kerr recommended it to "those who have always found Sir James M. Barrie pretty rough stuff." This musical includes such songs as "Do Re Mi" and "So Long, Farewell."
ANSWER: The ***Sound of Music***
[10] After arguing that theatre had been imitating Ibsen and Chekhov for decades, Kerr argued in his book *How Not to Write a Play* that this playwright exemplified a good new direction. A play by this author details Thomas Mendip's desire to be hanged for allegedly killing Old Skipps.
ANSWER: Christopher **Fry** (The play is *The Lady's Not for Burning*.)
<Drama, EL>

20. While he's best known for his work on Jews and Basques, Spanish anthropologist Julio Caro Baroja ("bah-ROH-hah") spent five years studying these people in the 1950s as part of an exploration mission. For 10 points each:
[10] Name these people whose liberation is sought by a group founded by El-Ouali ("ell-WAH-lee") Mustapha Sayed. Supporters of these people's independence established the Gdeim Izik protest camp in 2011.
ANSWER: **Sahrawi** people [or **Saharawi**; prompt on, but DO NOT REVEAL, Western Saharans]
[10] The Sahrawi people live in this contested, phosphate-rich region. Once controlled by Spain, it is now contested by the Sahrawi Arab Democratic Republic and Morocco.
ANSWER: **Western Sahara** [or **Sahara Occidental** or aṣ-**Ṣaḥrā' al-Gharbīyah** or **Tanezroft Tutrimt**]
[10] The other major African possession that Spain relinquished during the era of decolonization is this country, the only African country where Spanish is an official language. Its mainland region is called the Río Muni.
ANSWER: **Equatorial Guinea** [or Republic of **Equatorial Guinea**; or República de **Guinea Ecuatorial**]
<Geography, EL>