

COLLABORATIVE ACADEMIC SPRING TOURNAMENT 2019

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PACKET 2 TOSSUPS

1. **This empire's military included cavalry commanders called *ton-tigi* and infantry leaders known as *kèlè-koun*, both of whom were drawn from the privileged *horon* caste. The founder of this empire was the son of the hunchback *Sogolon* and succeeded in consolidating the *Mandinka* tribes; that founder is (*) Sundiata Keita ("SOON-JAHT-ah KYE-tuh"). This empire repeatedly failed to conquer the city of *Djenne* ("jeh-NAY"), and *Tuareg* ("TWA-rehg") invaders overran its city of *Timbuktu* in the early 15th century. The *Songhai* ("song-GHAI") Empire succeeded, for 10 points, what West African empire that lends its name to a modern country with a capital at *Bamako* ("BAH-mah-koh")?**

ANSWER: Mali Empire <JA>

2. **A parable told during this historical event inspired both *Gotthold Lessing's Nathan the Wise* and *Jonathan Swift's A Tale of a Tub*. This historical event inspired stories in which *Federigo* gives *Giovanna* her son's beloved falcon to eat and *Melchizedek* ("mel-KEE-zeh-dek") explains the equal value of rings representing the *Abrahamic religions* to *Saladin*. (*) *Gualtieri* claims he killed his children in order to test his wife *Griselda's* patience in a story told by *Dioneo* ("die-oh-NAY-oh") while hiding from this disease in a church. For 10 points, name this outbreak of disease that forced the pilgrims in *Giovanni Boccaccio's* ("boh-KAH-chee-oh's") *Decameron* to flee Florence.**

ANSWER: the Black Death [or the bubonic plague; or the Black Plague; prompt on the plague]

3. **A utility function named for this man and *L.J. Savage* changes curvature depending on the income of the individual. His work *A Theory of the Consumption Function* explains how spending patterns are based on expected income throughout a person's life rather than income at a given time, his permanent income hypothesis. This man advocated a voucher system for (*) education in one book. Along with *Anna Schwartz*, he argued that the Federal Reserve worsened the Great Depression in *A Monetary History of the United States*. For 10 points, name this author of *Capitalism and Freedom* who founded the monetarist Chicago School of economics.**

ANSWER: Milton Friedman <NS>

4. **A professor at a university in this state, *Angela Davis*, was fired for her Communist affiliations. The "Bodies Upon the Gears" speech was given by *Mario Savio* on a campus in this state. The *Symbionese Liberation Army* kidnapped heiress *Patty Hearst* ("hurst") in this state, whose flagship university was the home of the *Free Speech Movement*. A program providing free breakfast for children was started in this state by *Bobby* (*) *Seale* and *Huey P. Newton*. The *Black Panthers* were founded in this state, where Native Americans occupied *Alcatraz*. For 10 points, name this state whose counterculture movement was centered in cities like *Oakland* and *Berkeley*.**

ANSWER: California <WG>

5. After dreaming of a ladder, Jacob vowed that he would perform *ma'sar kesafim*, a form of this action, if God protected him. Maimonides developed a hierarchy of eight types of this action, the lowest form being doing this action out of pity. Jews prepare mishloach manot to perform this action, which literally translates to (*) "righteousness." High Holiday liturgy instructs Jews to seek repentance, pray, and perform this action to be forgiven from sin, a practice known as *tzedakah*. In Islam, the baseline for this action is 2.5% and it is known as *zakat*. For 10 points, identify this religious obligation, examples of which include donating crops, gift baskets, or money to the poor.

ANSWER: charity [or alms giving; accept zakat before mention; accept tzedakah before mention, accept obvious equivalents] <NS>

6. This phenomenon is responsible for thermal broadening of spectral lines. Tuning a laser to a frequency slightly below the electronic transition frequency of a given atom allows for this phenomenon to be used in laser cooling. Observation of canal rays affected by relativistic time dilation allowed Ives and Stilwell to observe the (*) transverse form of it. This phenomenon explains the redshift of receding stars and galaxies. For 10 points, name this phenomenon, the change in an observed frequency of waves emitted by a moving object.

ANSWER: Doppler effect [accept Doppler cooling, or Doppler broadening; prompt on redshift or blueshift] <GC>

7. In August 2017, a former leader of this country was convicted for negligence during a failed race subsidy program. That woman who formerly led this country was elected promising to continue the policies of her exiled brother, Taksin. In July 2018, Saman Guman was suffocated in this country's Chiang Rai Province during a (*) dive operation. That incident occurred as part of a rescue mission to save 12 boys who were trapped with their soccer coach in this country's Tham Luang cave system. Prior to his death in 2016, this country's king was the longest ruling monarch in the world. For 10 points, name this Southeast Asian country where Rama IX once ruled from Bangkok.

ANSWER: Thailand <JA>

8. In a version of this play, a woman who sits knitting sweaters throughout the play goes up to her lavender-scented room to commit suicide. A play with the same name as this play criticizing the Vichy ("VEE-shee") government was written by Jean Anouilh ("an-WHEE"). In this play, a sentry discovers the title character performing an action originally decreed by her sister (*) Ismene ("iss-MAY-nee") and forbidden by the decree of Creon ("CREE-on"); that action is giving funeral rites to her brother. The title character's lover, Haemon, stabs himself after finding out the title character has hung herself. For 10 points, name this Sophocles ("SOFF-oh-clees") play about a daughter of Oedipus ("ED-uh-puss").

ANSWER: Antigone <GC>

9. This artistic technique was used to depict several nudes relaxing by a beach in *Luxe, Calme et Volupté*. One artist used this technique to paint an art critic holding a hat and a white flower in front of a background of psychedelic swirls. Prominent works utilizing this technique include the aforementioned *Portrait of Félix Fénéon* and a portrait of that painting's artist, Paul (*) Signac. In the most famous painting that uses this technique, a woman with a black parasol walks a monkey on a leash. For 10 points, identify this technique used in Georges Seurat's *A Sunday Afternoon on the Island of La Grande Jatte*, which was composed of dots.

ANSWER: pointillism [prompt on neo-impressionism, accept Divisionism in the first sentence but prompt from there on out] <NS>

10. **The Generalized Born equation is an implicit model of this process, which is dependent on dielectric constant and accessible surface area. Electrons from alkali (“AL-kuh-lie”) metals undergo this process in liquid ammonia. The Van’t Hoff factor quantifies the number of products resulting from a compound undergoing this process; when it is 2, the square root of K-sub-s-p is taken to find the (*) concentration of products of this process. Ions undergoing this process are surrounded by a shell of polar molecules; when that polar molecule is water, this process is called hydration. For 10 points, name this process which occurs when a solute is put into a solvent, such as salt into water.**

ANSWER: solvation [or dissolution, or dissociation, hydration, or word forms like dissolving] <GC>

11. **This novel was criticized in *The Sword and the Distaff* by William Gilmore Simms. A collection of novellas by Richard Wright were named for the children of this book’s title character, and James Baldwin claimed Wright’s *Native Son* was a descendant of this novel. A young girl in this novel steals a ribbon before being educated by Aunt Ophelia. The title character of this novel saves (*) Eva from drowning, although her father Augustine St. Clare never frees that character. Eliza escapes across the frozen Ohio River at its beginning. The title slave is killed by Simon Legree in, for 10 points, what novel by Harriet Beecher Stowe?**

ANSWER: Uncle Tom’s Cabin; or, *Life Among the Lowly*

12. **In one myth, this deity calls into existence eight Infinite Ones to support his granddaughter as she carries him into the heavens in the form of a cow. That event happens after this god pours beer mixed with red ochre over the land of Egypt in order to appease Sekhmet, whom he created from his (*) eye. He’s not Horus, but this god was often depicted with the head of a falcon. The serpent Apep tries to swallow this deity during his nightly journey through the underworld. Heliopolis was the cult center of, for 10 points, what ancient Egyptian sun god?**

ANSWER: Ra [or Amun-Ra; or Atum-Ra; or Ra-Horakhty; prompt on Amun; prompt on Khepri] <JA>

13. **One person involved in this industry used homing pigeons to gain advance knowledge of the Battle of Waterloo’s result. A group in this industry instigated the failed Pazzi (“paht-zee”) Conspiracy, and the Fuggers (“fuh-gers”) grew rich from it. Lombards in this industry invented double-entry bookkeeping. The (*) Medicis (“meh-DEE-chees”) first gained power through this industry, which in 19th-century Britain was controlled by the Rothschilds. Because Christians were banned from usury, many Jews went into this industry because they could charge interest. For 10 points, name this industry involving the lending and borrowing of money.**

ANSWER: banking [accept word forms; accept money lending before it is read; or accounting; or finance] <WG>

14. **In one symphony of this number, the scherzo transitions directly into the finale, which ends with 29 bars of chords in C major. A frequently excerpted *Adagietto* movement appears in Gustav Mahler’s symphony of this number. Due to a negative article in *Pravda*, Dmitri Shostakovich gave his symphony of this number the subtitle (*) “A Soviet Artist’s Reply to Just Criticism.” Beethoven’s piano concerto of this number is nicknamed *Emperor*. This is the number of flats in D-flat major and sharps in B major. Beethoven’s symphony of this number opens with a “Fate” motif of four notes. For 10 points, give this number of performers in a string quintet.**

ANSWER: five <WG>

15. **This quantity is estimated by dividing big K by little k in the Lincoln-Peterson method. Individual fitness increases as this quantity increases in the Allee effect. R-selection results in a rapid increase in this quantity. Plotting this quantity against time yields a logistic curve which plateaus at a maximum value symbolized (*) K. Bottlenecks result in a temporary decrease in this quantity. This quantity can be found by marking individuals and then recapturing a random sample. For ten points, name this quantity, the number of organisms of a given species in a particular area.**

ANSWER: population size [accept population; accept number of individuals; prompt on population density; accept any answer that suggests the size or number of individuals in a population] <AG>

16. This man described a figure with “handcuffs on his wrists” who is imprisoned “for the colour of his hair” in one poem. This poet of “Oh Who Is That Young Sinner” described a “livelier liquor than the Muse” in a poem that notes that “malt does more than Milton can to justify God’s ways to man.” The speaker of one of this man’s poems states “And oh, 'tis true, 'tis true” after being advised to “give crowns and (*) pounds and guineas but not your heart away” when he was one-and-twenty. Another of his poems describes a crowd bringing the title figure home after he wins a race. For 10 points, name this English poet of “Terence, This is Stupid Stuff” and “To An Athlete Dying Young.”

ANSWER: A. E. Housman [or Alfred Edward Housman] <NS>

17. This is the color of the “Q” flag in the International Maritime Signal system. Though it isn’t white, a flag of this color paired with a sign reading “SC” indicates that a safety car is on the track in a Formula One race. This is the background color of both the flag of the Qing Dynasty and the Gadsden flag, the latter of which depicts a black (*) rattlesnake above the slogan “Don’t Tread on Me.” A star of this color appears on the flag of Vietnam, and a cross of this color appears on the flag of Sweden. For 10 points, name this primary color found at the bottom of the German flag beneath stripes of black and red.

ANSWER: yellow [accept gold] <JA>

18. A gigantic sea stack named for this shape is located 20 miles off Lord Howe Island. One of these shapes named for a Dutch explorer provides an alternate title for Puncak Jaya. A San Francisco skyscraper named for this shape once housed the Transamerica Corporation. This shape appears in the name of a model that uses back-to-back (*) histograms to map the age and sex distribution of a population. One of these structures known as “El Castillo” is the center of the Mayan site of Chichen Itza. For 10 points, give this shape also taken by many Ancient Egyptian burial structures, including a “Great” one located at Giza.

ANSWER: pyramid (accept Ball’s Pyramid, Carstensz Pyramid, Population Pyramid, or TransAmerica Pyramid) <JA>

19. The nerve carrying this sense has its cell bodies in the spiral ganglion (“GANG-lee-on”). This ability is mediated by receptors on the tectorial membrane that are activated at “tip links”; those cells, of which there are “inner” and “outer” types, are found in the organ of Corti. Pressure in a region central to this faculty is relieved via the (*) Eustachian (“yoo-STAY-shan”) tube. The mechanotransduction (“mechano-transduction”) pathway of this sense begins with transfer of stimuli between three bones and the tympanic membrane. For ten points, name this sense mediated by hair cells in the cochlea (“KOK-lee-uh”) of the ear.

ANSWER: hearing [accept obvious synonyms like audition, accept word forms] <RP>

20. The court case *Hawke v. Smith* challenged the validity of this policy, which was weakened by the Cullen-Harrison Act. The Maine Law expanded this policy in the 1850s, and Wayne Wheeler founded an organization promoting it. Frances Willard advocated for this policy by creating the (*) WCTU. Carrie Nation used a hatchet to support this cause, and the Volstead Act enforced this policy until the 1933 passage of the 21st Amendment. The Anti-Saloon League backed, for 10 points, what policy that banned the sale of alcohol?

ANSWER: prohibition [or temperance; or the 18th Amendment; prompt on descriptive answers such as banning alcohol] <NS>

PACKET 2 BONUSES

1. Answer some questions about heterozygotes (“het-uh-roh-ZYE-goats”), for 10 points each:

[10] Typically, heterozygotes have two different copies of an allele (“uh-LEEL”), one dominant, and the other one named this. Traits with this property are usually masked by dominant genes.

ANSWER: **recessive**

[10] Being heterozygotic for cystic fibrosis also confers resistance to this disease whose causative agent is in the *Vibrio* (“VIB-ree-oh”) genus. Its namesake toxin over-activates G-proteins.

ANSWER: **cholera**

[10] Cystic fibrosis is caused by mutations in a transmembrane receptor for this anion (“ANN-eye-on”). Stomach acid is formed from this ion and the hydrogen ion, and it is the most common anion in the cytosol (“SI-tuh-sawl”).

ANSWER: **chloride** [or **chlorine** ion, or **Cl⁻** or **Cl⁻minus**] <GC>

2. Many famous artworks have been the target of vandalism. For 10 points each:

[10] Laszlo Toth removed the left arm of this figure with a hammer in an attack on Michelangelo’s *Pieta*. In that statue, this figure cradles the dead body of her son, Jesus.

ANSWER: The Virgin **Mary**

[10] This man’s painting *Danae* was severely damaged with sulfuric acid while hanging in the Hermitage Gallery. William De Rijk (“RIKE”) took a knife to another of this man’s paintings, leaving slash marks on Frans Banning Cocq and other members of the title group.

ANSWER: **Rembrandt** van Rijn

[10] In 1914, this Diego Velazquez nude was slashed with a meat cleaver by militant suffragette Mary Richardson. This painting shows the central figure looking back at herself in a mirror held by Cupid.

ANSWER: **Rokeby Venus** [accept *The Toilet of Venus*] <JA>

3. A town named for this color is the setting of a Stephen Crane short story in which the Marshall Jack Potter returns from San Antonio before seeing Scratchy Wilson loading his revolver. For 10 points each:

[10] Identify this color which titles a short story named “The Bride Comes to [this color] Sky.” This color is also in the title of a story named for “Wallpaper” of this color centering on a woman driven mad by isolation.

ANSWER: **yellow** [accept “The **Yellow** Wallpaper;” or “The Bride Comes to **Yellow** Sky”]

[10] This feminist author wrote “The Yellow Wallpaper.” She wrote a novel in which Terry, Jeff, and Van experience a feminist utopia in *Herland*.

ANSWER: Charlotte Perkins **Gilman**

[10] Seymour compliments Sybil’s canary-yellow bathing suit in this author’s short story “A Perfect Day for Bananafish.” Holden Caulfield states that “It’s no fun to be yellow” in his novel *The Catcher in the Rye*.

ANSWER: J. D. **Salinger** <NS>

4. The first known fatality associated with these devices occurred when a Dallas man died after crashing one owned by the company Lime. For 10 points each:

[10] Name these rechargeable vehicles that can be rented through a cell phone app. They have been implemented in cities throughout the world since the launch of Bird in September 2017.

ANSWER: electric **scooters** [accept Bird **scooters** or Lime **scooters**]

[10] Lime’s electric scooters can be rented through both the Lime app and the app of this largest ride-sharing company in the world. This company’s largest competitor is Lyft.

ANSWER: **Uber**

[10] Lime’s first expansion overseas involved placing scooters in this European capital. Tourist attractions in this city include Cybele Palace and the Golden Triangle of Art.

ANSWER: **Madrid**, Spain <JA>

5. This man began a feud with Sulla after stealing credit for the capture of the Numidian king Jugurtha. For 10 points each:

[10] Name this Roman general, who allowed citizens of Etruria and other Italian allies to become Roman citizens as part of his namesake reforms made during the first of his seven terms as consul.

ANSWER: Gaius **Marius** [or the **Marian** reforms]

[10] Marius narrowly won election to this position in 116 BCE. Holders of this position could administer justice and ranked just below the consul.

ANSWER: **praetors**

[10] This nephew of Marius fled from the armies of Sulla as a teenager. This dictator for life defeated Pompey (“POHM-pee”) at the Battle of Pharsalus after crossing the Rubicon.

ANSWER: Julius **Caesar** [or Gaius Julius **Caesar**] <JA>

6. A tetraethyl (“tetra-ETH-uhl”) derivative of this element was used as an anti-knocking agent before it was banned. For 10 points each:

[10] Name this toxic heavy metal with atomic symbol Pb. It is often found in old house paint.

ANSWER: **lead**

[10] This other anti-knock agent consists of a central iron atom coordinated to two cyclopentadienyl (“cyclo-penta-die-ee-nil”) rings. This first sandwich compound is often used in a reference electrode with a reduction potential of 0.40 Volts.

ANSWER: **ferrocene**

[10] A form of dating in which two different isotopes of this element decay into lead is commonly applied to zircon. Those two isotopes of this element have mass 238 and 235.

ANSWER: **uranium** [or **U**] <GC>

7. Name some things about cattle thieves in Greco-Roman mythology, for 10 points each:

[10] As a child, this messenger god stole the cattle of Apollo, only to be caught and asked to return them. This god would later trade the lyre he invented to Apollo in exchange for a staff entwined by two serpents, the caduceus.

ANSWER: **Hermes** [or **Mercury**]

[10] The tenth of Heracles’ twelve labors was to steal cattle belonging to this giant.

ANSWER: **Geryon** (“GAIR-yahn”)

[10] This famous thief once stole some cattle from Eurytus, who blamed it on Heracles, causing Heracles to kill Eurytus in anger. This grandfather of Jason was asked to name one of his other grandsons, Odysseus.

ANSWER: **Autolycus** <MS>

8. Answer the following about Romanticism in English poetry. For 10 points each:

[10] This 1798 collection written by two Romantic poets contains poems such as “The Foster-Mother’s Tale,” “We are Seven” and “Strange fits of passion have I known.”

ANSWER: **Lyrical Ballads**

[10] This poem by Wordsworth is addressed to his “dear, dear sister” Dorothy. It begins by noting that “Five year[s] have passed” since he has been to the title location.

ANSWER: “**Tintern Abbey**” [or “Lines Composed a Few Miles above **Tintern Abbey**, On Revisiting the Banks of the Wye during a Tour. July 13, 1798”]

[10] In a poem Coleridge contributed to *Lyrical Ballads*, a man with this profession tells his woes to the Wedding-Guest, including cursing his crew by shooting an albatross.

ANSWER: a **sailor** [or a **Mariner**; or “The Rime of the Ancient **Mariner**”] <NS>

9. After crashing a spaceship into this item, Rick and Morty attempt to regenerate its occupants from a vial of yellow goo. For 10 points each:

[10] Name this orange object found in the living room of 742 Evergreen Terrace. A series of “gags” involving this object occurs in the opening credits to an animated series.

ANSWER: the **Simpson** family’s **couch** [accept equivalents; prompt on partial answer]

[10] Another running gag from *The Simpsons* sees this character write lines on a chalkboard as a punishment. This only son of Homer and Marge rides a skateboard and frequently prank-calls the local bartender Moe.

ANSWER: **Bart** Simpson

[10] This blue-haired, nerdy friend of Bart has an unrequited crush on Bart’s sister Lisa.

ANSWER: **Milhouse** van Houten [prompt on Van Houten] <JA>

10. This president signed the Civil Rights Act of 1957, and during his presidency, the U.S. created a system of roads inspired by the Autobahn. For 10 points each:

[10] Name this 34th president of the United States, for whom the Interstate Highway System is named. He previously served as the Allied Commander in Europe during World War II.

ANSWER: Dwight D. **Eisenhower** [or Dwight David **Eisenhower**]

[10] In both the elections of 1952 and 1956, Eisenhower defeated this former governor of Illinois. This man also served as the U.S. Ambassador to the United Nations during the Cuban Missile Crisis.

ANSWER: Adlai **Stevenson II** [or Adlai Ewing **Stevenson II**]

[10] Stevenson’s running mate in 1956 was Estes Kefauver (“ESS-tis KEY-fauv-er”), a senator from this state. A father-and-son duo with the same name were both senators from this state, the latter of whom served as Bill Clinton’s Vice President.

ANSWER: **Tennessee** <AN>

11. This man analyzed society in terms of base and superstructure. For 10 points each:

[10] Name this man who, along with Friedrich Engels, wrote “Workers of the world unite!” in *The Communist Manifesto*.

ANSWER: Karl **Marx**

[10] In Marxism, this is the group of people who are oppressed by the bourgeoisie (“boor-JWAH-zee”). Frantz Fanon considered the “lumpen” subset of these people essential to anti-colonial revolution.

ANSWER: the **proletariat**

[10] *The Wretched of the Earth* by Fanon begins with an introduction written by this French thinker. He used an example of a waiter who acts inauthentically to demonstrate the concept of “bad faith.”

ANSWER: Jean-Paul **Sartre** (“SAR-truh”) <GC>

12. Roland Barthes analyzed a novella by this author in *S/Z*. For 10 points each:

[10] Name this author of a book about the castrato Zambinella. The poet Lucien Chardon almost dies after disappointing his friend David Sechard at the end of this writer’s *Lost Illusions*.

ANSWER: Honore de **Balzac**

[10] Barthes is perhaps most famous for describing the death of this figure. Six characters search for this figure in a Luigi Pirandello play.

ANSWER: the **author** [or “The Death of the **Author**”; or *Six Characters in Search of an **Author***]

[10] In *Mythologies*, Barthes compares the army to Sganarelle’s wife, a figure in one of this man’s plays. This Frenchman also wrote a play in which Louis XIV [“the 14th”] arrests the title hypocrite, *Tartuffe*, after he bothers Orgon.

ANSWER: **Moliere**

13. This conflict saw the sinking of the *General Belgrano* by the submarine *Conqueror*. For 10 points each:
[10] Name this war that saw the Battles of Goose Green and San Carlos, as well as the sinking of the HMS *Sheffield*. This war was fought over a territory one of the belligerents refers to as Las Islas Malvinas.

ANSWER: **Falklands** War

[10] The United Kingdom fought the Falklands War against this South American country that was led by Leopoldo Galtieri. It had previously been led by Juan Perón.

ANSWER: **Argentina** [or **Argentine** Republic]

[10] In 1978, Chile and Argentina almost went to war over a set of islands in a waterway of this name. Robert FitzRoy captained a ship of this name which gained fame for its second voyage, which lasted from 1831 to 1836.

ANSWER: **Beagle** Conflict [or HMS **Beagle**] <GP>

14. Porcelain types of these objects from the Ming dynasty are extremely valuable. For 10 points each:

[10] Name these objects, often made from clay or ceramics, which are shaped in a type of “wheel.”

ANSWER: **vases** [or **pottery**]

[10] Early examples of pottery first appeared in the Jomon culture located in this modern-day country. Woodblock prints from this country heavily influenced Impressionist artists.

ANSWER: **Japan** [or **Nippon**]

[10] This empire produced black ceramic jars called *bucchero*. Heavily influenced by Greek art, this civilization produced the *Sarcophagus of the Spouses* and a terracotta sculpture called *Apollo of Veii* (“VEY-ee”).

ANSWER: **Etruscans** <WG>

15. The FLRW metric is one solution to these equations. For 10 points each:

[10] Name these equations which relate the stress-energy, Ricci (“REET-chee”), and metric tensors to fundamental constants. These equations’ namesake included a cosmological constant term which he called his “biggest blunder.”

ANSWER: **Einstein field** equations [or **EFE**; or **Einstein’s field** equation; prompt on **Friedmann equations**; prompt on just **Einstein** or **Einstein equations**]

[10] This constant multiplies eight pi on the right hand side of the Einstein field equations. In a better known relation, big and little M are multiplied by this constant over distance squared to calculate a certain force.

ANSWER: **big G** or universal **gravitational constant** [prompt on **G**; do NOT accept or prompt on little G]

[10] The Einstein field equations are central to this theory’s “general” form, which describes gravity as the stretching of spacetime itself.

ANSWER: **relativity** <AG>

16. Answer the following about very old world leaders, for 10 points each,

[10] After Prime Minister Najib Razak was caught taking bribes from the Saudi royal family, he lost an election in this Asian country to the 92-year-old Dr. Mahathir Mohamad, marking the first time this country’s Barisan Nasional was dislodged from power.

ANSWER: **Malaysia**

[10] This country had one of the world’s oldest leaders succeed another when its 80-year-old leader, Fidel Castro, passed power to his slightly younger brother, Raul, in 2006.

ANSWER: **Cuba**

[10] This Cameroonian president, who has been in power since 1975, is the world’s longest serving leader as well as one of its oldest.

ANSWER: Paul **Biya** <JM>

17. Winners of this award for Best Play in the 1980s include Mark Medoff's *Children of a Lesser God* and Wendy Wasserstein's *The Heidi Chronicles*. For 10 points each:

[10] Name these awards given annually to the best Broadway plays and musicals.

ANSWER: **Tony** Awards [or the **Tonys**]

[10] This Peter Shaffer play won the 1981 Tony Award for Best Play. Its Best Picture-winning film adaptation popularized the myth that the title composer was poisoned by Antonio Salieri.

ANSWER: ***Amadeus***

[10] This author won the 1985 Tony Award for Best Play for *Biloxi Blues*. In another play by this author, the neat freak Felix Unger and the messy Oscar Madison become roommates.

ANSWER: Neil **Simon** [or Marvin Neil **Simon**] <WG>

18. Because this phenomenon affects blue light much more than it does red light, it is sometimes called interstellar reddening. For 10 points each:

[10] Name this phenomenon which occurs when interstellar dust scatters and absorbs light, reducing its intensity. The Zone of Avoidance is the region of the night sky obscured by the Milky Way due to this phenomenon.

ANSWER: interstellar **extinction**

[10] The effect of extinction is usually measured in units of this quantity per kiloparsec. This quantity comes in "absolute" and "apparent" forms, which are equal when describing a star that is 10 parsecs away from the earth.

ANSWER: **magnitude** [accept absolute **magnitude** or apparent **magnitude**]

[10] This quantity's modulus is equal to the apparent magnitude minus the absolute magnitude. Smaller values of it are measured in astronomical units, while larger values are measured in light years or parsecs.

ANSWER: **distance** <GC>

19. One composer who worked in this style composed a trilogy of operas focusing on Gandhi, Akhenaten, and Einstein. For 10 points each:

[10] Identify this style in which *Einstein on the Beach* was written. Composers such as Philip Glass worked in this style, which advocates for using simple or few elements to create the maximum effect.

ANSWER: **minimalism**

[10] Minimalist Terry Riley wrote a piece titled "In [this key]" which features the piano playing the namesake note for over 45 minutes. This key's relative minor is A minor, and it has no sharps or flats.

ANSWER: **C** major [do NOT accept or prompt on C minor]

[10] This minimalist composer developed "tinnabulation" through works such as *Tabula Rasa* and *Fratres*. This Estonian practiced "holy minimalism" in his piece *Spiegel im Spiegel*.

ANSWER: Arvo **Pärt** ("PAIRT") <NS>

20. This company was headed by a group known as the *Heeren XVII* ("seventeen"). For 10 points each:

[10] Name this company that controlled much of modern-day Indonesia from the settlement of Batavia. This company is considered one of the earliest mercantile corporations, and was rivals with a similar British company.

ANSWER: **Dutch East India** Company [accept **Vereenigde Oost-Indische Compagnie** or **VOC**; prompt on **East India Company**]

[10] The Dutch East India Company established the first formal one of these institutions in Amsterdam in 1602. The largest one of these institutions was is located on Wall Street in New York City.

ANSWER: **stock exchange** [or **stock market**; or **bourse**]

[10] The Dutch East India Company established Fort Zeelandia on this island, but were driven out by the pirate Koxinga.

ANSWER: **Taiwan** [or **Formosa**] <GP>